

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012493.D
 Acq On : 18 Sep 2019 23:34
 Operator : JC/SP
 Sample : VX0918WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:17 PM

Quant Time: Sep 19 08:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	201668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	341825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	144954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	140538	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	5.49	113	102184	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	376056	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	149696	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24556	18.499	ug/l	94
3) Chloromethane	1.32	50	21195	19.117	ug/l	100
4) Vinyl Chloride	1.40	62	22689	18.934	ug/l	100
5) Bromomethane	1.63	94	10632	22.583	ug/l	83
6) Chloroethane	1.72	64	16610	17.713	ug/l	100
7) Trichlorofluoromethane	1.92	101	43694	19.891	ug/l	97
8) Diethyl Ether	2.18	74	18214	18.357	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29730	18.705	ug/l	100
10) Methyl Iodide	2.50	142	21217	18.616	ug/l	96
11) Tert butyl alcohol	3.03	59	71400	93.743	ug/l	97
12) 1,1-Dichloroethene	2.36	96	24357	19.211	ug/l	92
13) Acrolein	2.28	56	19239	74.626	ug/l	99
14) Allyl chloride	2.72	41	54998	18.632	ug/l	97
15) Acrylonitrile	3.13	53	118424	94.552	ug/l	98
16) Acetone	2.43	43	109647	77.533	ug/l	98
17) Carbon Disulfide	2.56	76	29717	17.781	ug/l	99
18) Methyl Acetate	2.76	43	58204	19.325	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	132097	19.108	ug/l	100
20) Methylene Chloride	2.85	84	33159	18.957	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	25590	19.436	ug/l	99
22) Diisopropyl ether	3.84	45	130658	18.904	ug/l	97
23) Vinyl Acetate	3.80	43	534858	94.075	ug/l	99
24) 1,1-Dichloroethane	3.69	63	63883	19.318	ug/l	97
25) 2-Butanone	4.66	43	172140	85.860	ug/l	99
26) 2,2-Dichloropropane	4.58	77	46778	14.383	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	37751	19.194	ug/l	96
28) Bromochloromethane	5.00	49	32409	19.010	ug/l	96
29) Tetrahydrofuran	5.12	42	104576	94.418	ug/l	97
30) Chloroform	5.20	83	70642	18.601	ug/l	94
31) Cyclohexane	5.58	56	38726	19.399	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	60371	19.019	ug/l	99
36) 1,1-Dichloropropene	5.79	75	37769	18.180	ug/l	97
37) Ethyl Acetate	4.82	43	63661	19.963	ug/l	99
38) Carbon Tetrachloride	5.78	117	47189	18.264	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38038	18.835	ug/l	99
40) Benzene	6.14	78	128331	19.426	ug/l	100
41) Methacrylonitrile	5.03	41	37048	18.043	ug/l	98
42) 1,2-Dichloroethane	6.19	62	58560	19.112	ug/l	100
43) Isopropyl Acetate	6.44	43	103848	18.144	ug/l	99
44) Trichloroethene	7.21	130	34707	19.972	ug/l	97
45) 1,2-Dichloropropane	7.51	63	38227	18.835	ug/l	99
46) Dibromomethane	7.65	93	24997	19.032	ug/l	99
47) Bromodichloromethane	7.89	83	54360	18.588	ug/l	100
48) Methyl methacrylate	7.76	41	49329	18.284	ug/l	98
49) 1,4-Dioxane	7.73	88	24038	366.075	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	347036	92.459	ug/l	99
52) Toluene	8.78	92	81904	19.241	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	53305	17.535	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	57972	18.421	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	42527	19.391	ug/l	98
56) Ethyl methacrylate	9.17	69	63888	18.632	ug/l	99
57) 1,3-Dichloropropane	9.37	76	66968	19.139	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	173939	97.998	ug/l	100
59) 2-Hexanone	9.49	43	260903	89.098	ug/l	99
60) Dibromochloromethane	9.58	129	41350	18.510	ug/l	100
61) 1,2-Dibromoethane	9.67	107	39937	19.939	ug/l	99
64) Tetrachloroethene	9.33	164	30823	21.930	ug/l	96
65) Chlorobenzene	10.14	112	96808	19.123	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	40602	19.325	ug/l	98
67) Ethyl Benzene	10.25	91	168515	19.375	ug/l	99
68) m/p-Xylenes	10.36	106	124145	39.229	ug/l	97
69) o-Xylene	10.70	106	63229	19.428	ug/l	100
70) Styrene	10.71	104	111395	19.345	ug/l	99
71) Bromoform	10.85	173	28399	17.667	ug/l #	100
73) Isopropylbenzene	11.01	105	177464	19.512	ug/l	99
74) N-amyl acetate	10.89	43	91005	18.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	67664	18.965	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	63239m	18.992	ug/l	
77) Bromobenzene	11.25	156	44263	19.955	ug/l	98
78) n-propylbenzene	11.35	91	192878	19.028	ug/l	99
79) 2-Chlorotoluene	11.42	91	125301	19.001	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	150920	19.457	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17663	16.757	ug/l	93
82) 4-Chlorotoluene	11.51	91	145292	19.197	ug/l	99
83) tert-Butylbenzene	11.76	119	159968	19.247	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	153332	19.253	ug/l	99
85) sec-Butylbenzene	11.94	105	173840	18.981	ug/l	99
86) p-Isopropyltoluene	12.06	119	161531	19.207	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	82584	19.793	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	82564	19.264	ug/l	100
89) n-Butylbenzene	12.39	91	132096	17.604	ug/l	99
90) Hexachloroethane	12.59	117	27686	17.954	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	84722	19.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16918	18.291	ug/l	98

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ClientSampleId :
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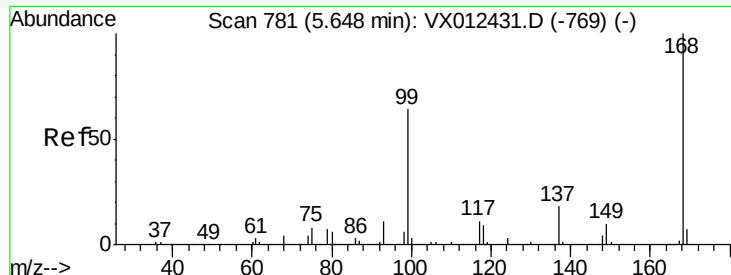
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	53196	18.938	ug/l	98
94) Hexachlorobutadiene	13.78	225	23200	17.524	ug/l	97
95) Naphthalene	13.83	128	200707	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	57011	19.917	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:168 Resp: 201668

Ion Ratio Lower Upper

168 100

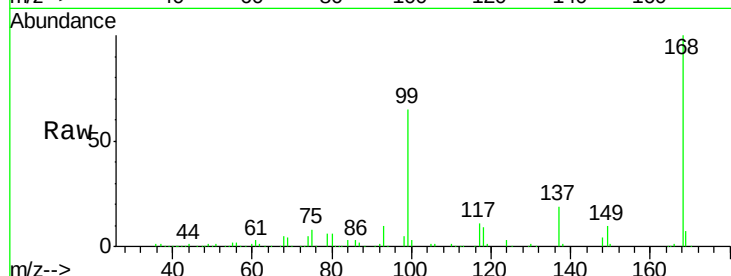
99 64.6 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

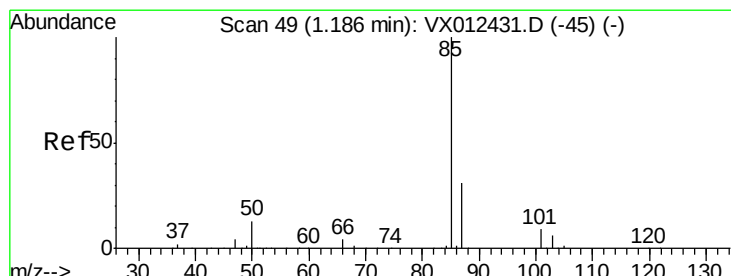
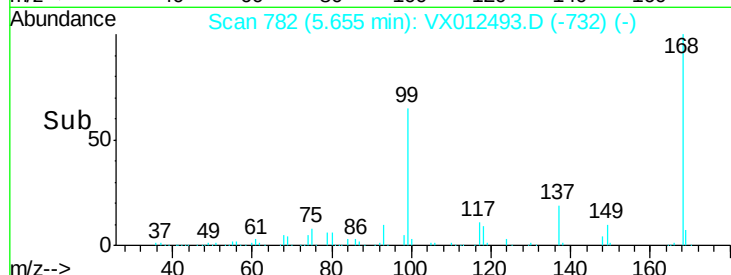
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 18.499 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012493.D

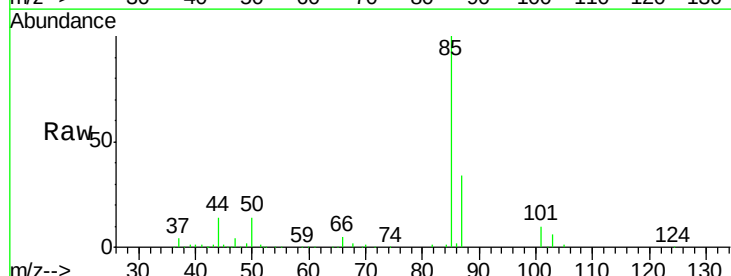
Acq: 18 Sep 2019 23:34

Tgt Ion: 85 Resp: 24556

Ion Ratio Lower Upper

85 100

87 34.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

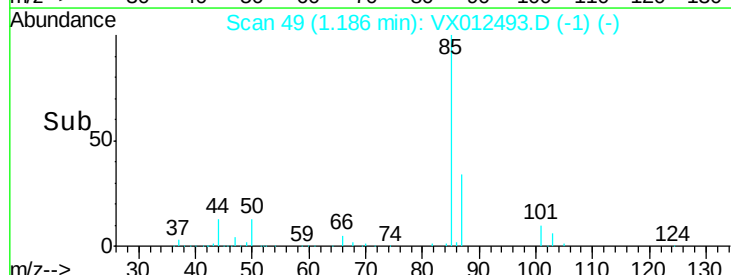
15000

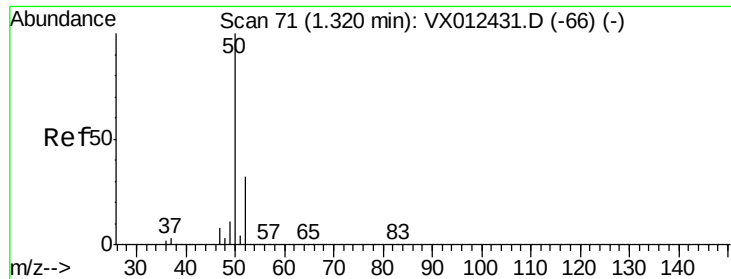
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.117 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 50 Resp: 21195

Ion Ratio Lower Upper

50 100

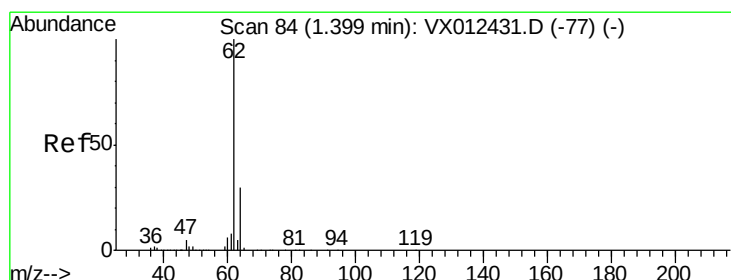
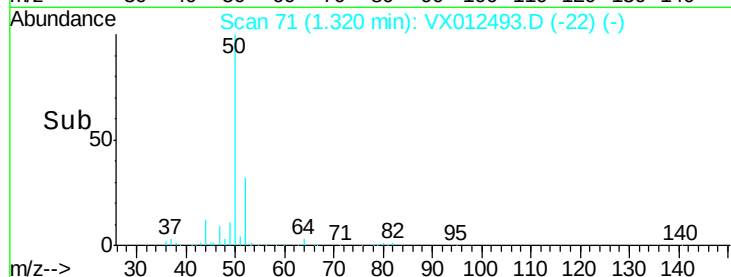
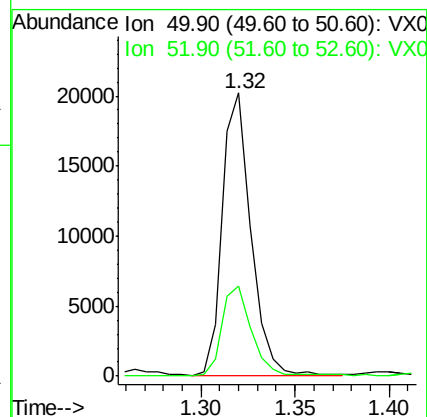
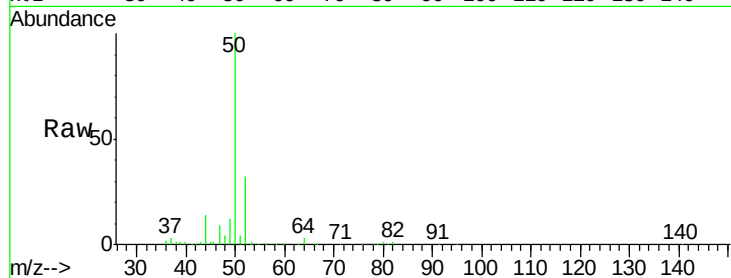
52 31.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.934 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012493.D

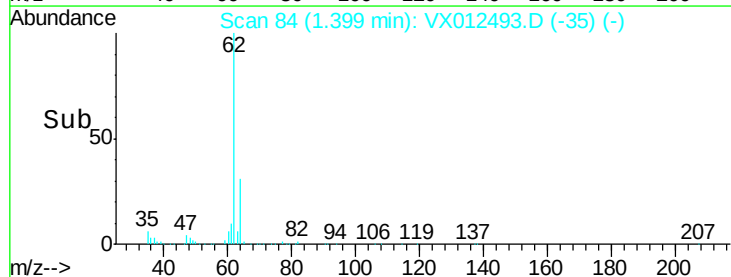
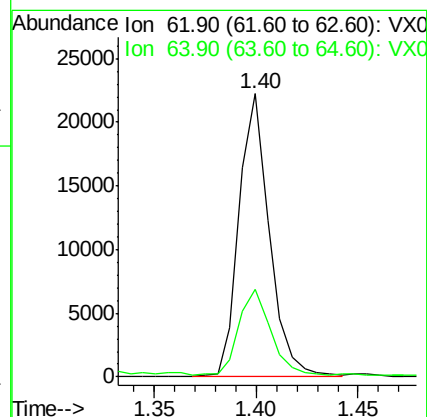
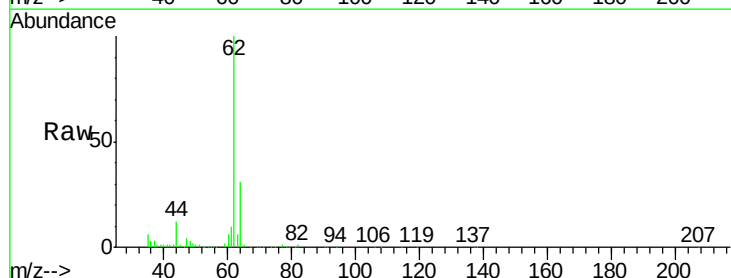
Acq: 18 Sep 2019 23:34

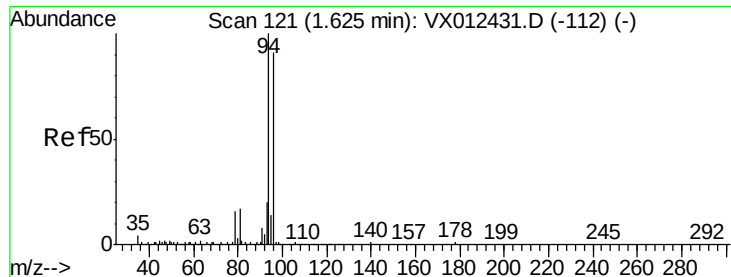
Tgt Ion: 62 Resp: 22689

Ion Ratio Lower Upper

62 100

64 30.4 24.2 36.2





#5

Bromomethane

Concen: 22.583 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 94 Resp: 10632

Ion Ratio Lower Upper

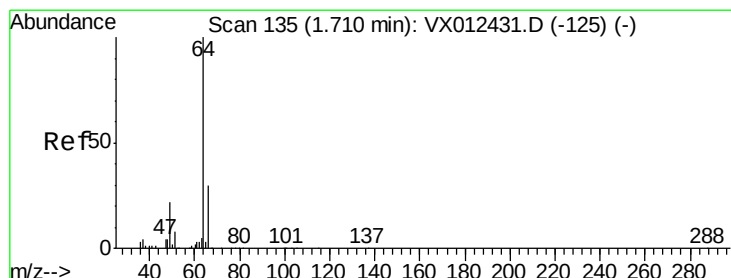
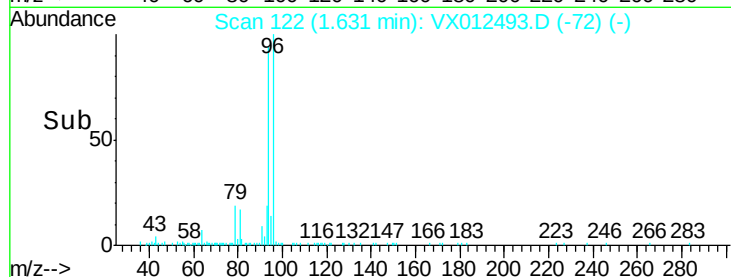
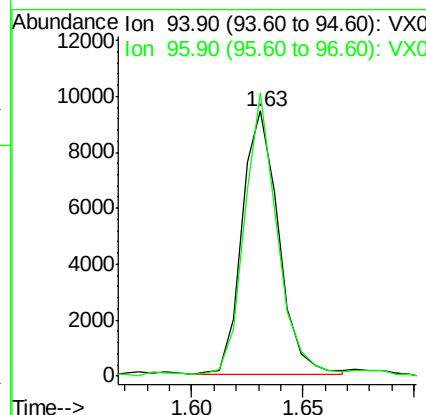
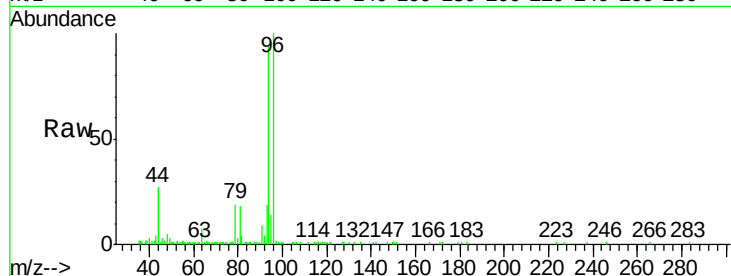
94 100

96 107.0 72.8 109.2

Manual Integrations
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#6

Chloroethane

Concen: 17.713 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012493.D

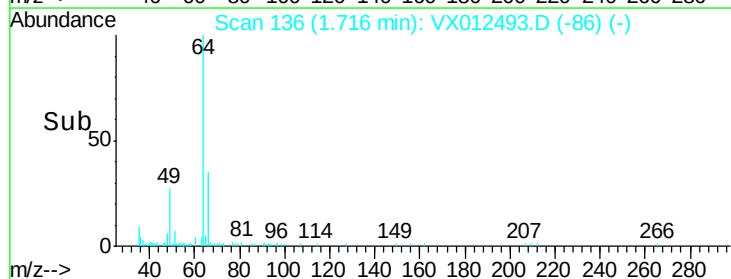
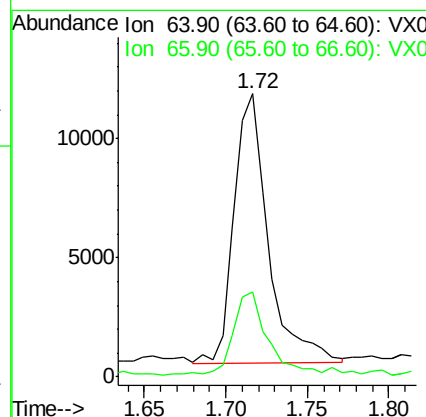
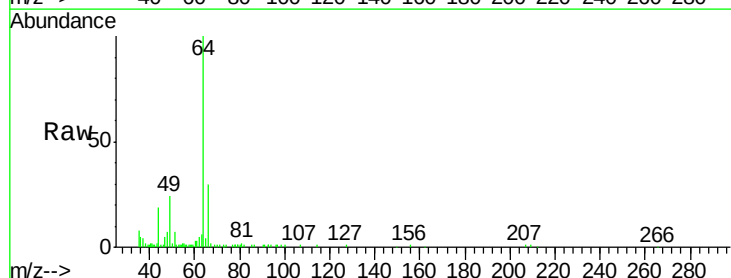
Acq: 18 Sep 2019 23:34

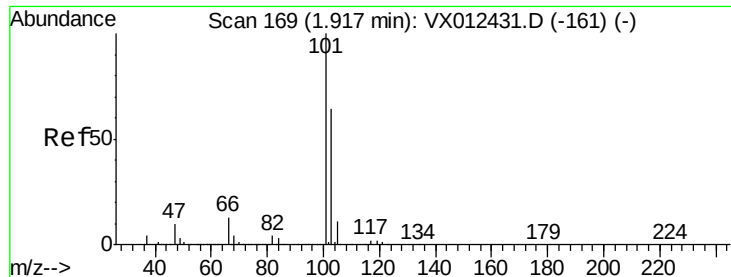
Tgt Ion: 64 Resp: 16610

Ion Ratio Lower Upper

64 100

66 30.2 24.0 36.0





#7

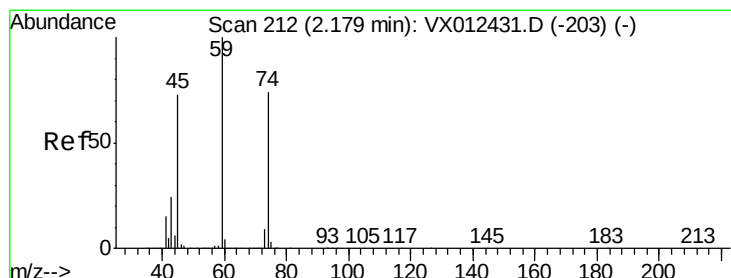
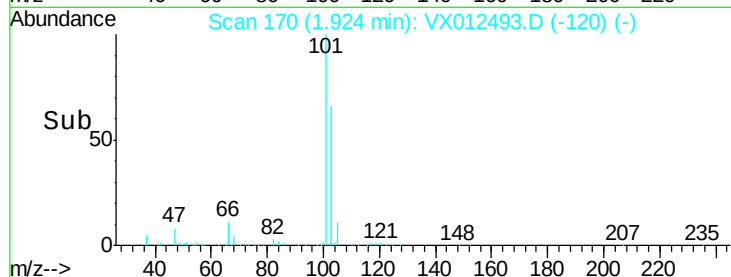
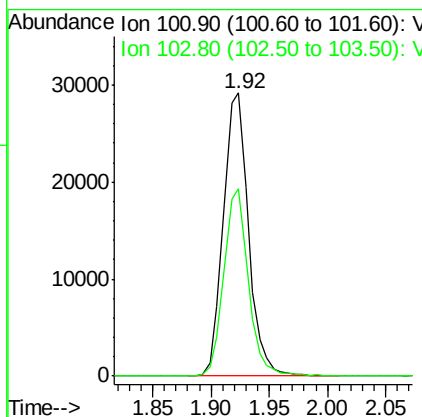
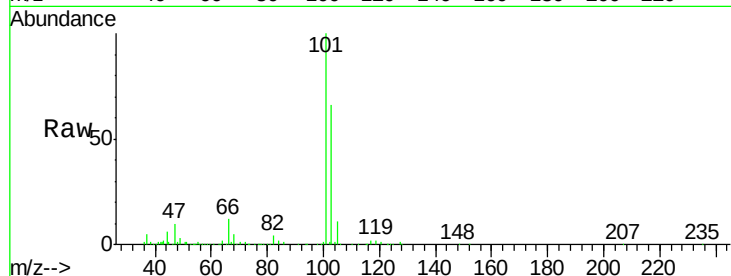
Trichlorofluoromethane
 Concen: 19.891 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
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 VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	43694		
103	65.9	51.0	76.4	

Manual Integrations
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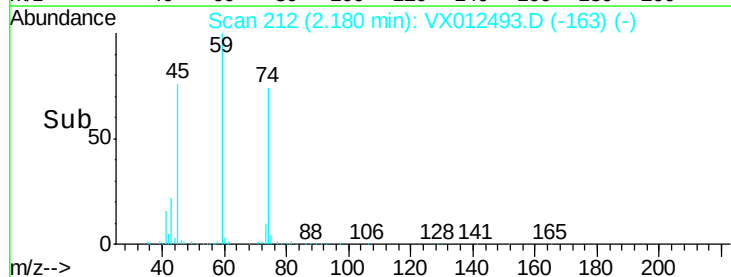
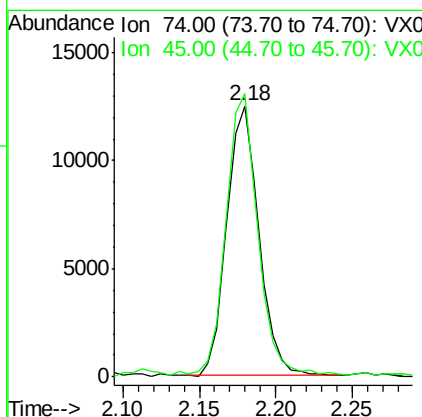
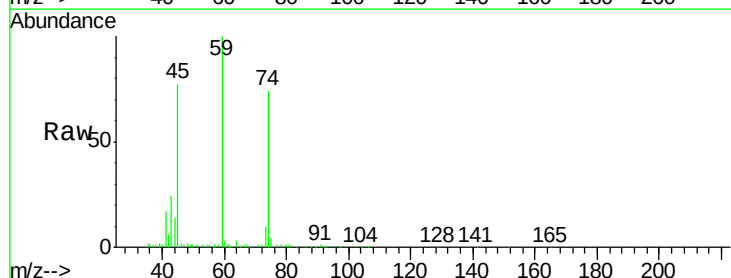
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 9/19/2019 1:06:17 PM

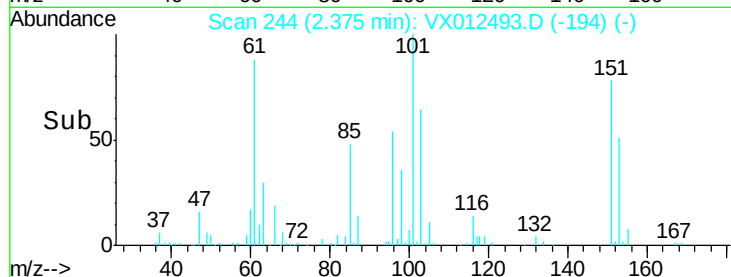
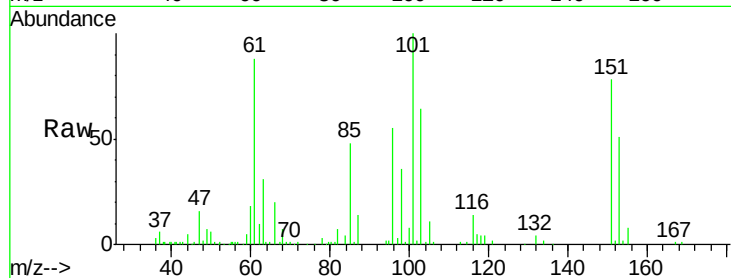
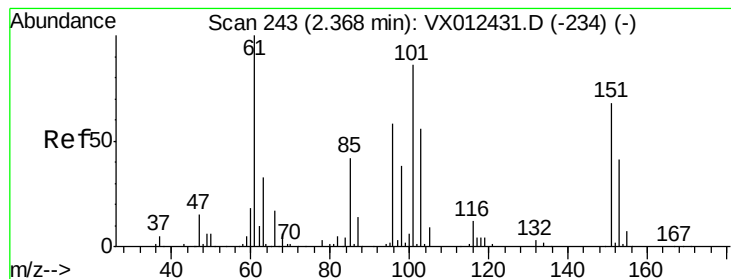


#8

Diethyl Ether
 Concen: 18.357 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	18214		
45	103.9	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.705 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

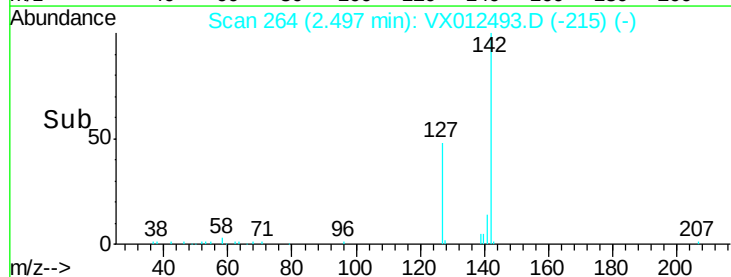
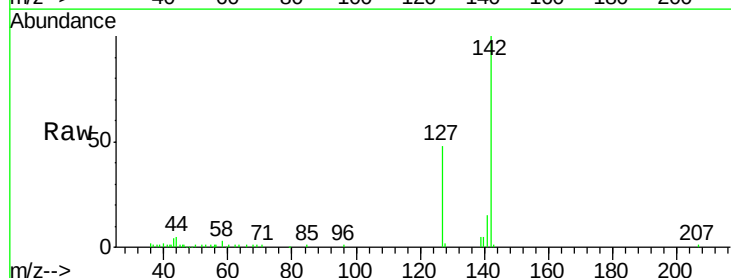
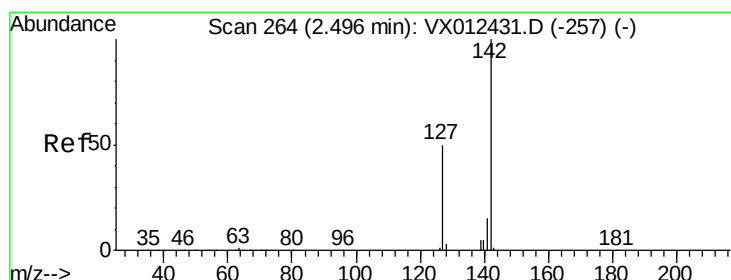
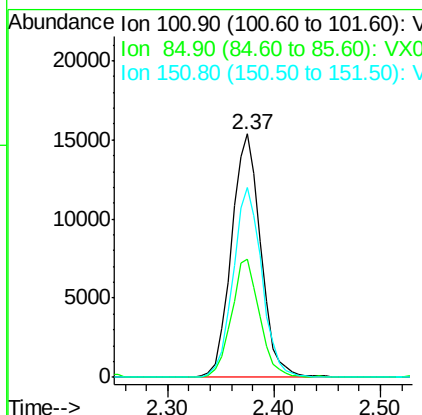
ClientSampleId :

VX0918WBS02

Tot Ion:	101	Resp:	29730
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.3	55.9
151	76.4	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.616 ug/l

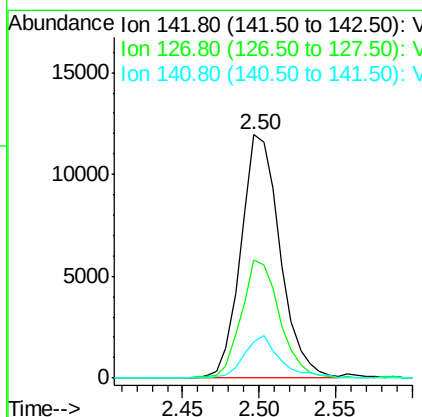
RT: 2.50 min Scan# 264

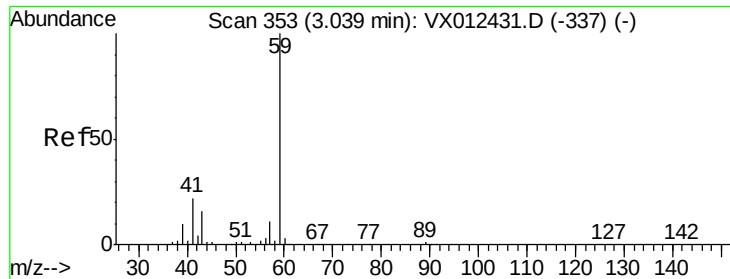
Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:	142	Resp:	21217
Ion Ratio	Lower	Upper	
142	100		
127	47.6	40.8	61.2
141	15.8	12.1	18.1





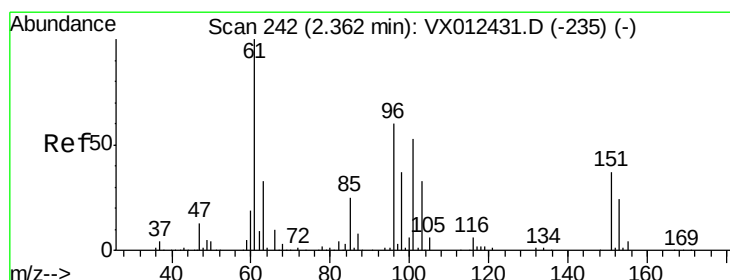
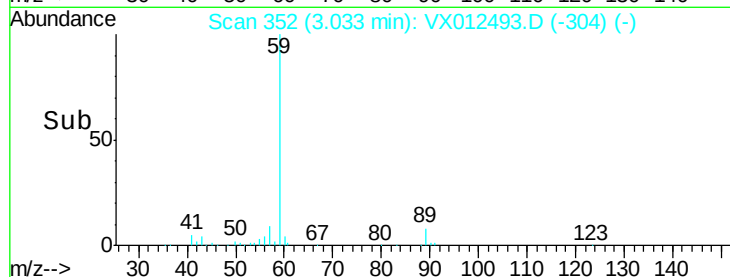
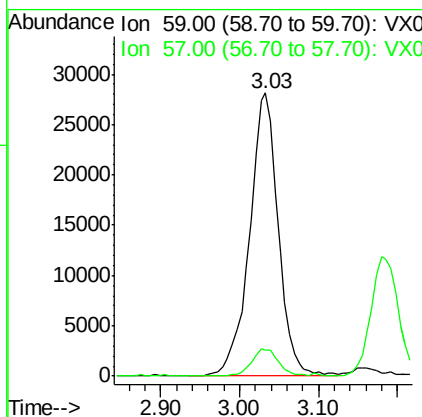
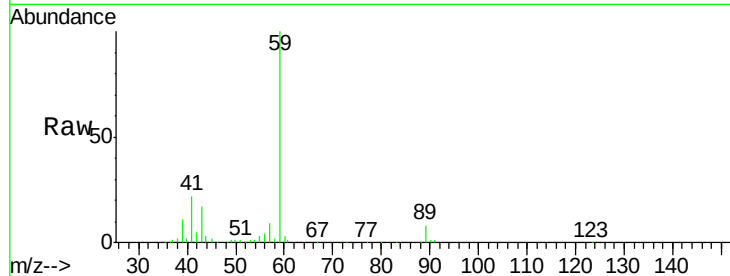
#11
Tert butyl alcohol
Concen: 93.743 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion: 59 Resp: 71400
Ion Ratio Lower Upper
59 100
57 9.1 8.3 12.5

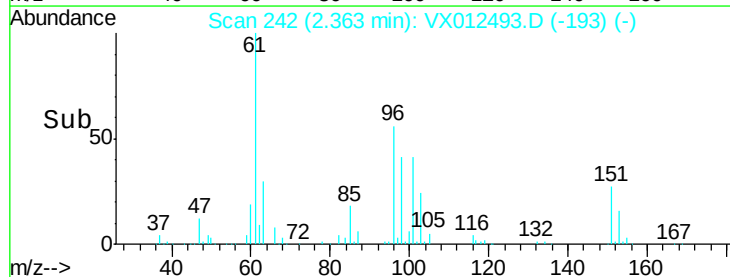
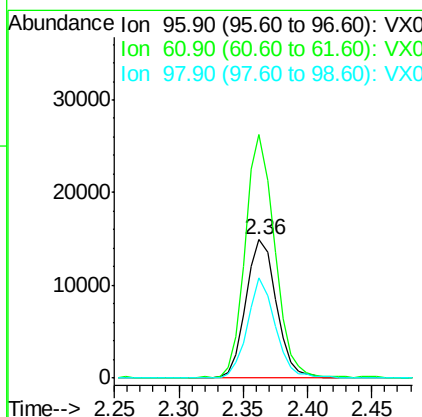
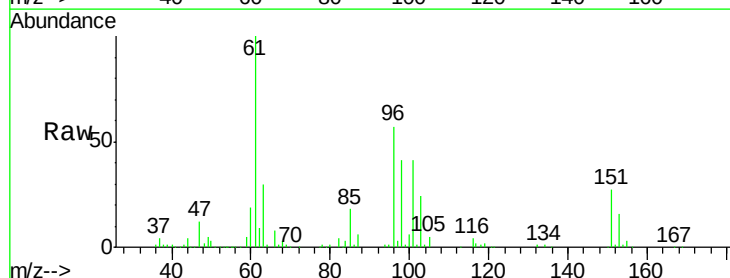
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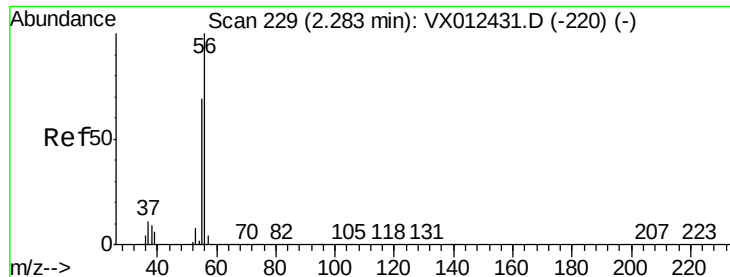
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.211 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion: 96 Resp: 24357
Ion Ratio Lower Upper
96 100
61 176.3 133.8 200.6
98 72.4 49.9 74.9





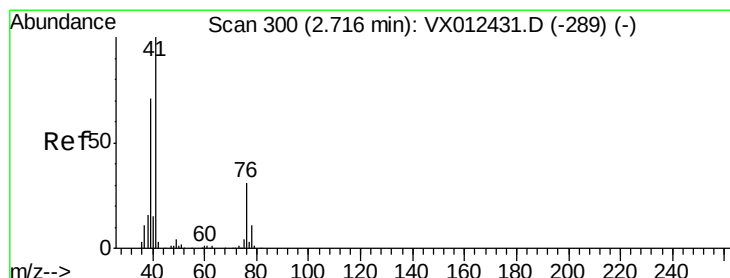
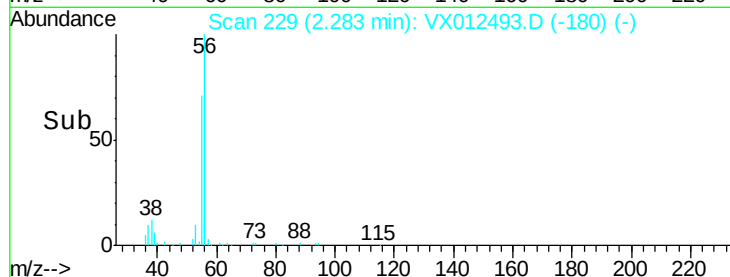
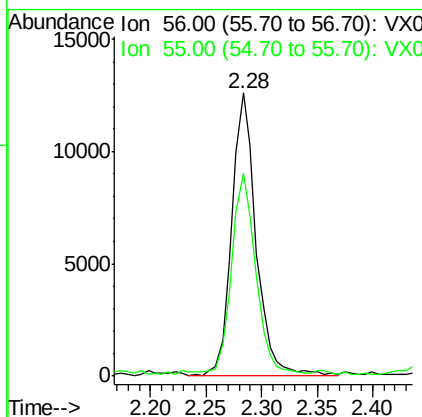
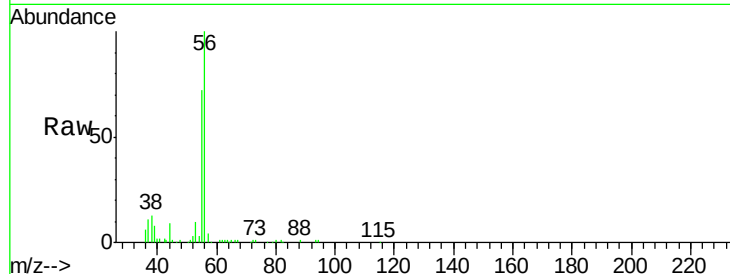
#13
Acrolein
Concen: 74.626 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.7	55.8	83.8

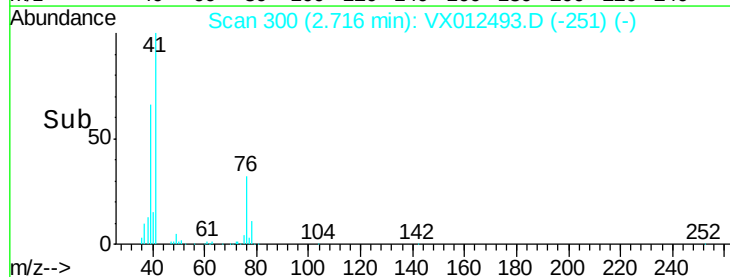
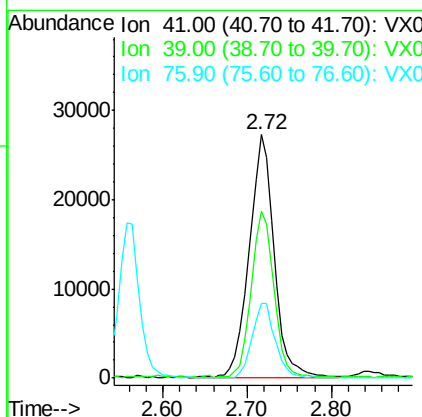
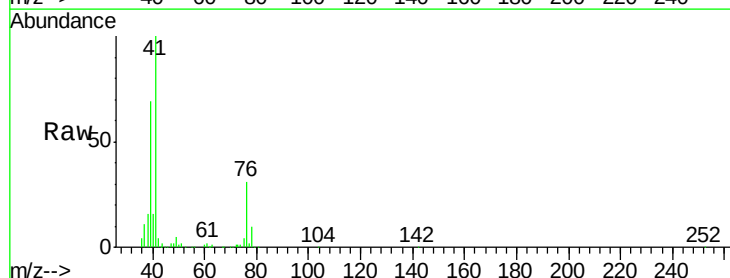
Manual Integrations
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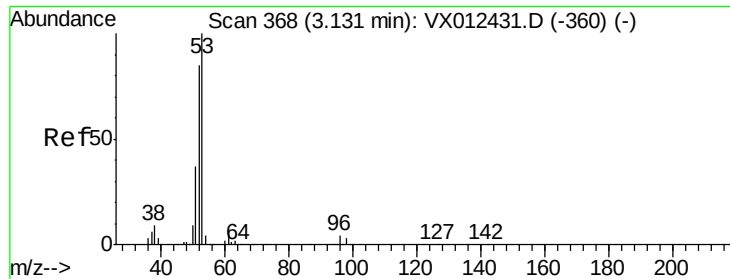
MMDadoda
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#14
Allyl chloride
Concen: 18.632 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	51.3	76.9
76	28.7	22.6	33.8





#15

Acrylonitrile

Concen: 94.552 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

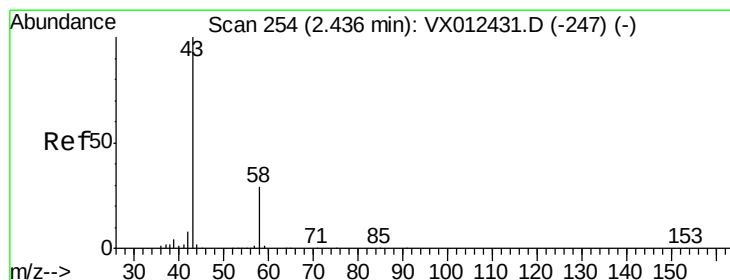
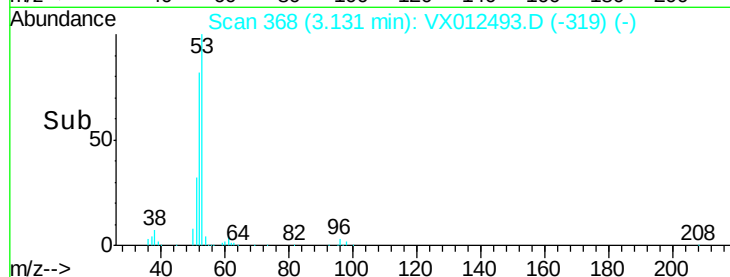
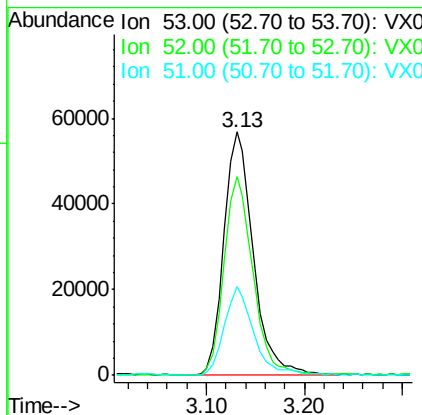
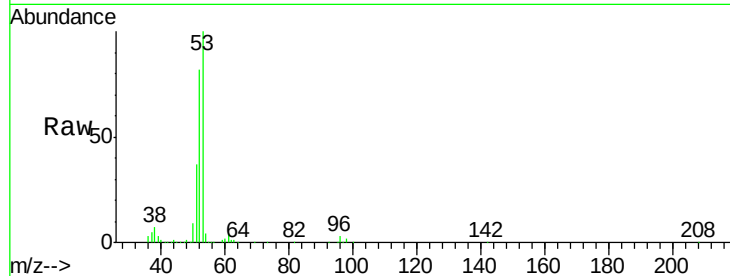
ClientSampleId :

VX0918WBS02

Tot Ion:	53	Resp:	118424
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.4
51	36.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 77.533 ug/l

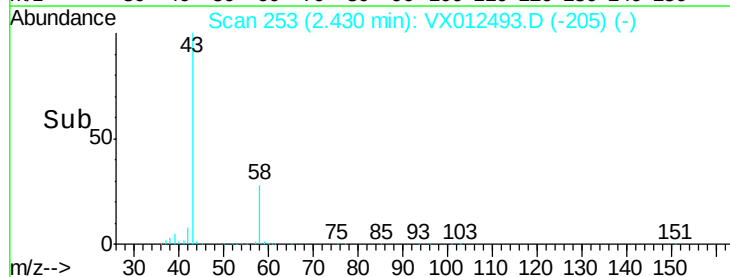
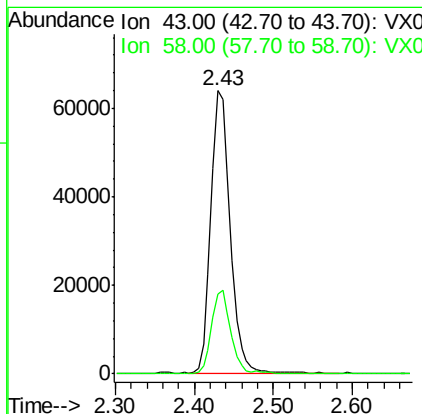
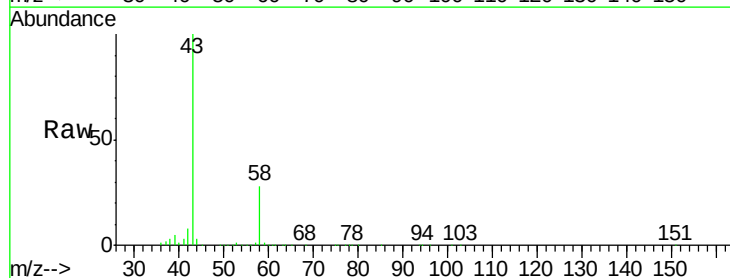
RT: 2.43 min Scan# 253

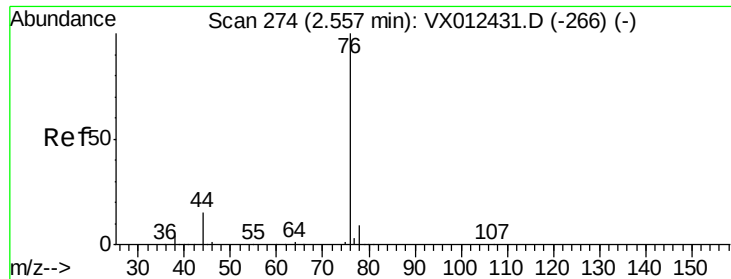
Delta R.T. -0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:	43	Resp:	109647
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.3	34.9





#17

Carbon Disulfide

Concen: 17.781 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 76 Resp: 29717

Ion Ratio Lower Upper

76 100

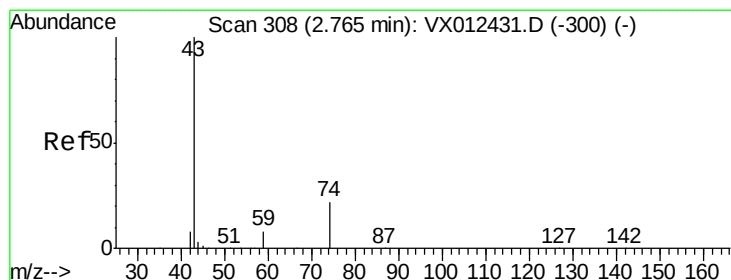
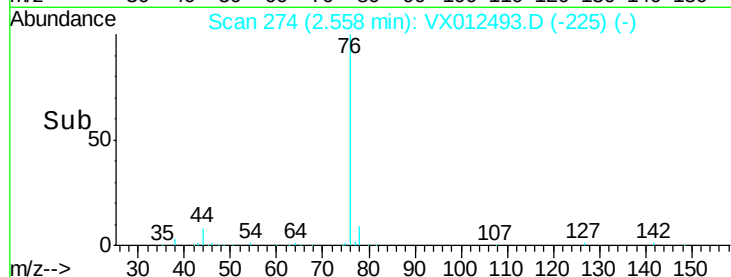
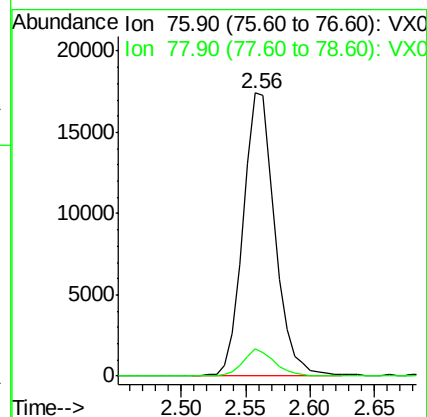
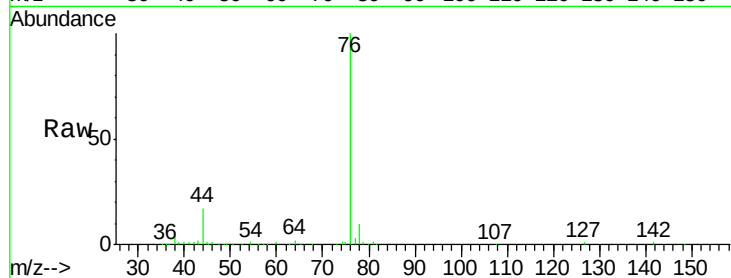
78 9.6 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 19.325 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012493.D

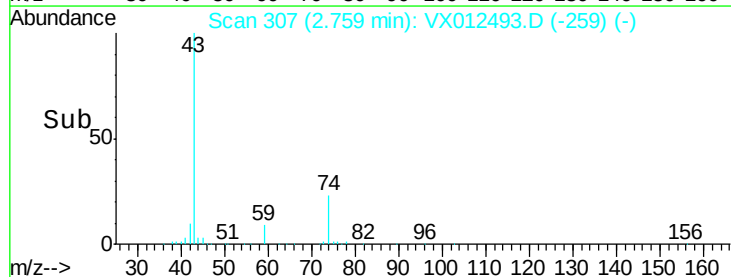
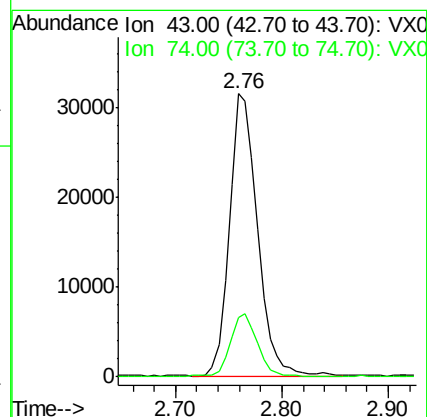
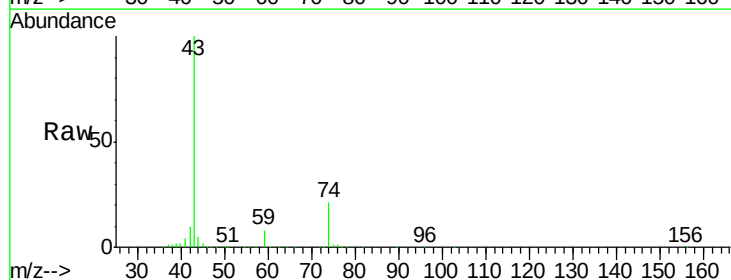
Acq: 18 Sep 2019 23:34

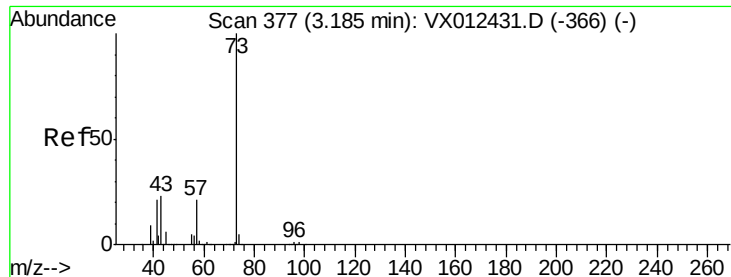
Tgt Ion: 43 Resp: 58204

Ion Ratio Lower Upper

43 100

74 22.1 17.7 26.5





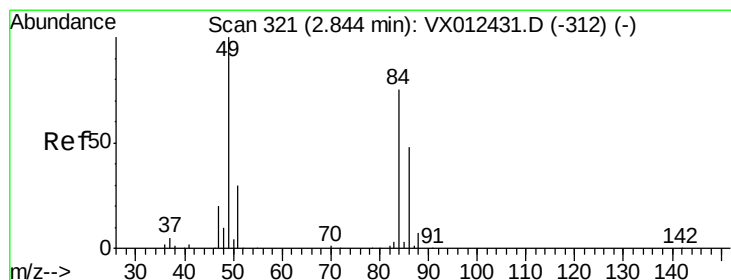
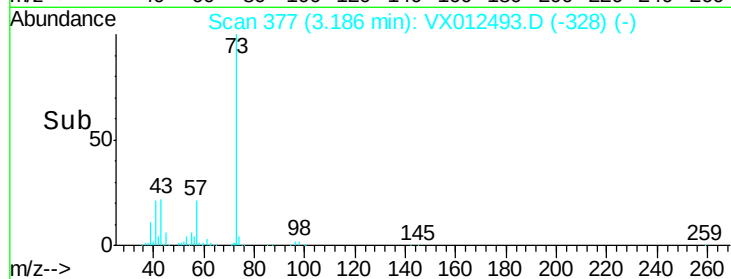
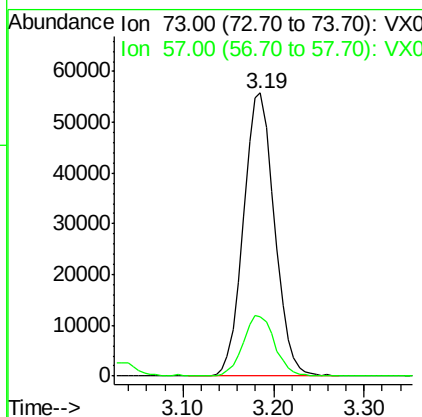
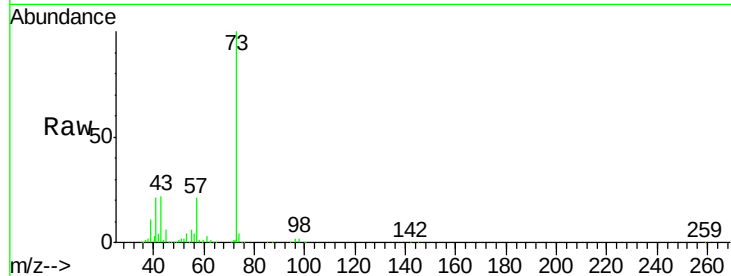
#19
Methyl tert-butyl Ether
Concen: 19.108 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.8	25.2

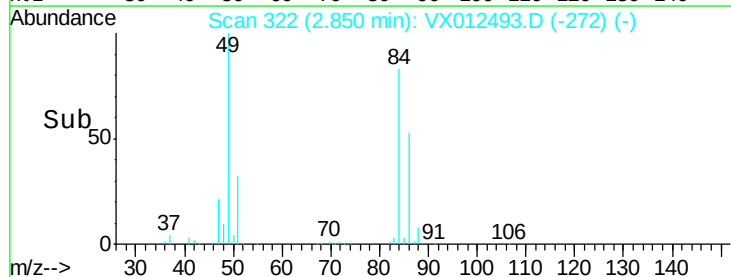
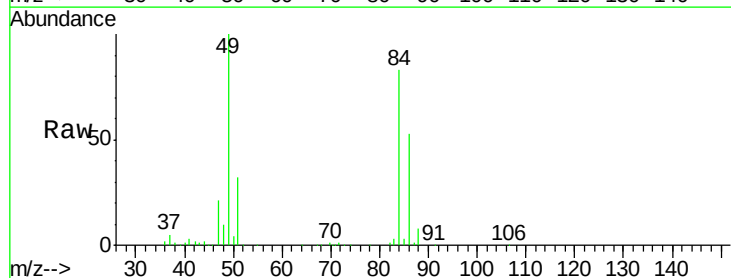
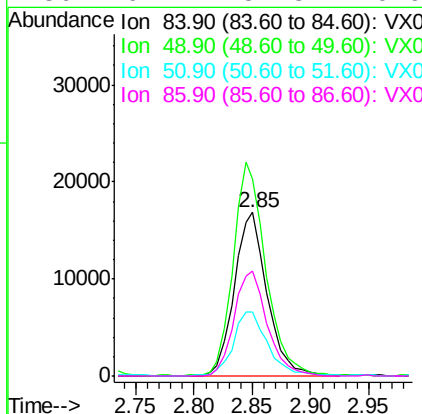
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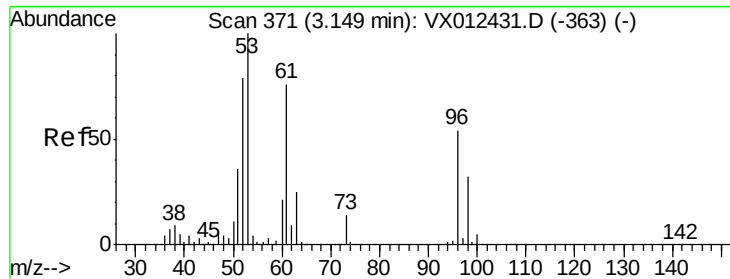
MMDadoda
9/19/2019 1:06:17 PM



#20
Methylene Chloride
Concen: 18.957 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	106.8	160.2
51	39.1	32.3	48.5
86	64.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.436 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 96 Resp: 25590

Ion Ratio Lower Upper

96 100

61 140.4 112.0 168.0

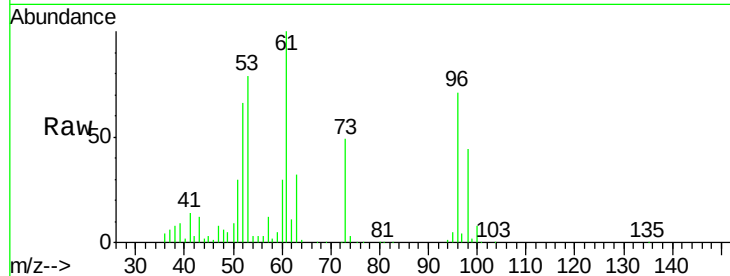
98 62.0 47.8 71.8

Manual Integrations

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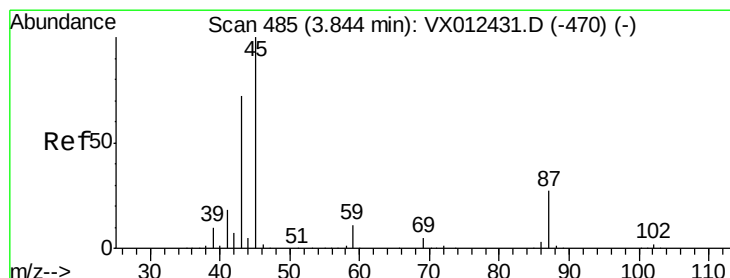
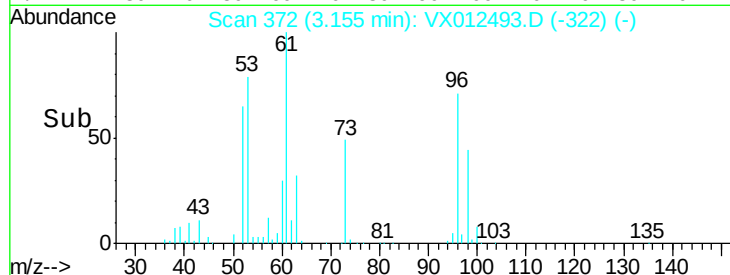
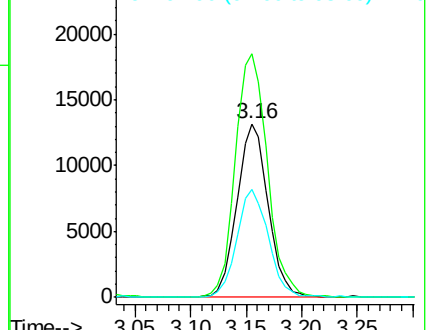


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.904 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion: 45 Resp: 130658

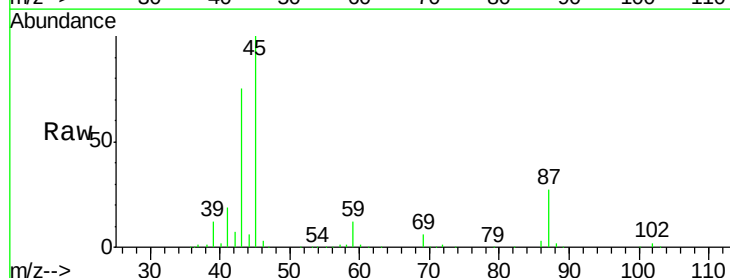
Ion Ratio Lower Upper

45 100

43 74.8 57.8 86.8

87 27.3 21.3 31.9

59 11.6 8.5 12.7



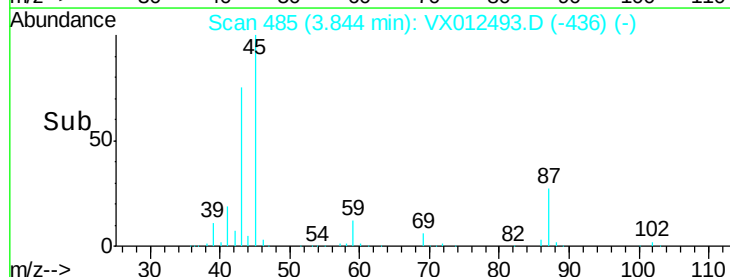
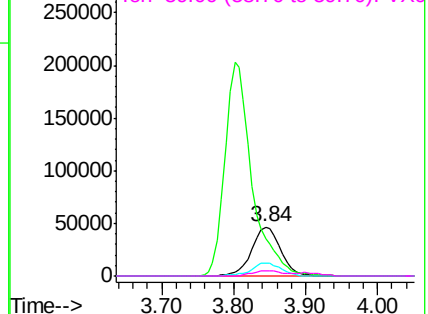
Abundance

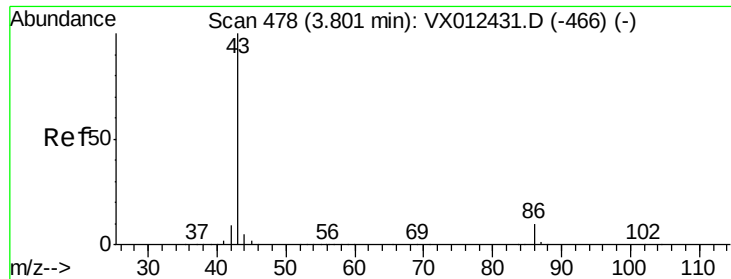
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.075 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 43 Resp: 534858

Ion Ratio Lower Upper

43 100

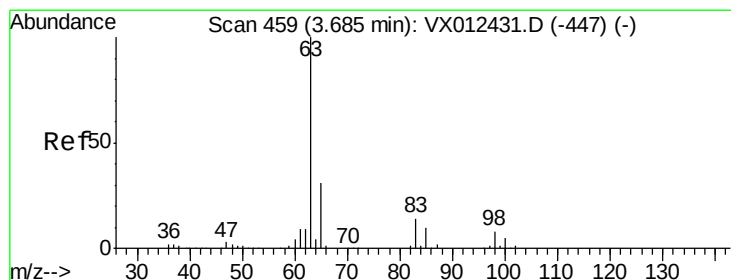
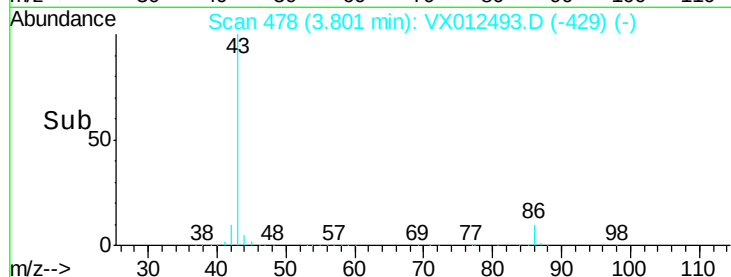
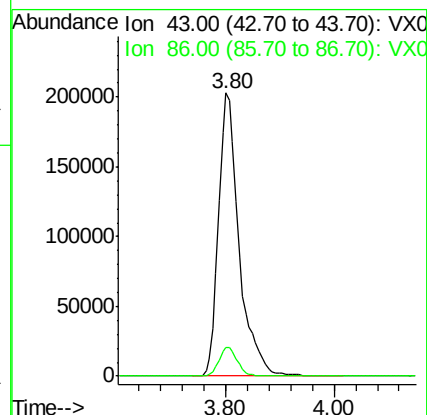
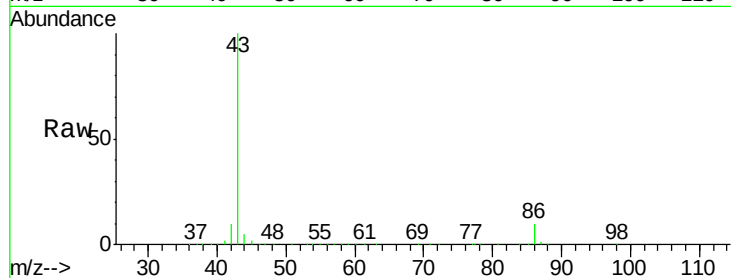
86 10.0 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.318 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

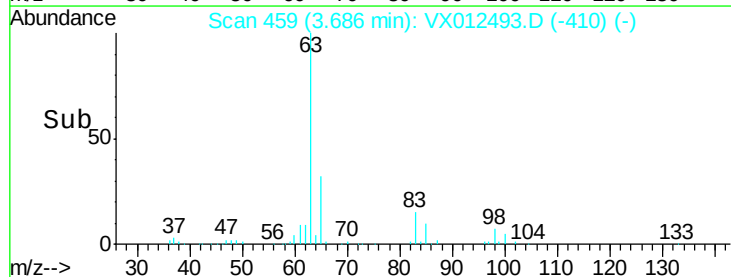
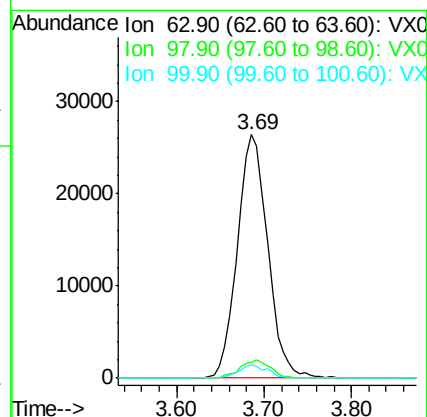
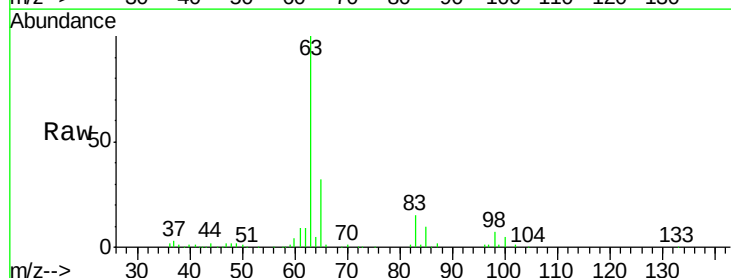
Tgt Ion: 63 Resp: 63883

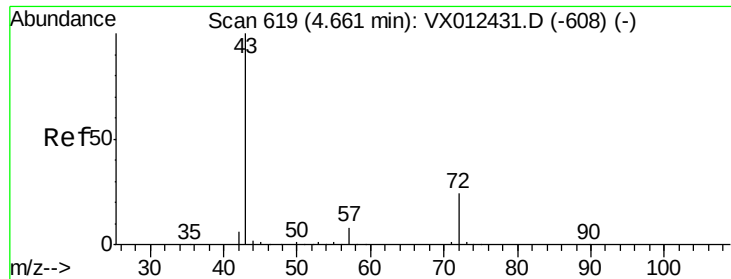
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 5.4 2.3 6.9





#25

2-Butanone

Concen: 85.860 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 43 Resp: 172140

Ion Ratio Lower Upper

43 100

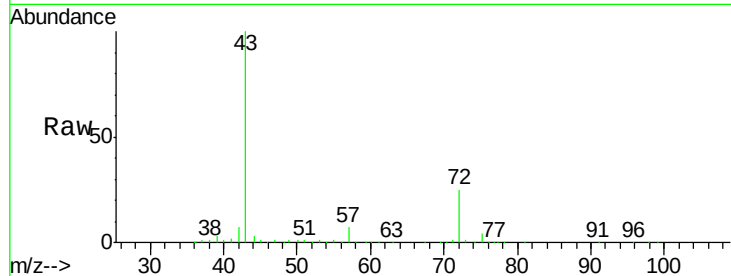
72 24.4 19.2 28.8

Manual Integrations

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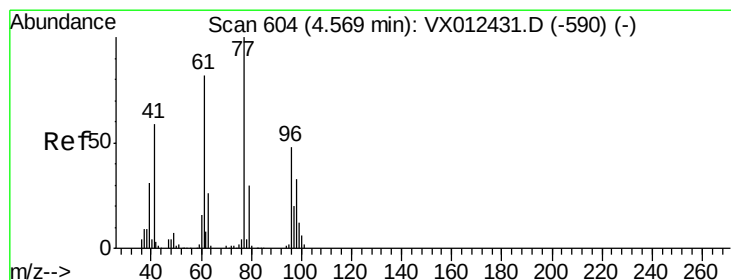
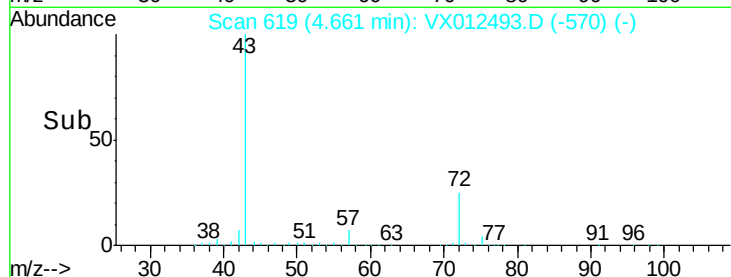
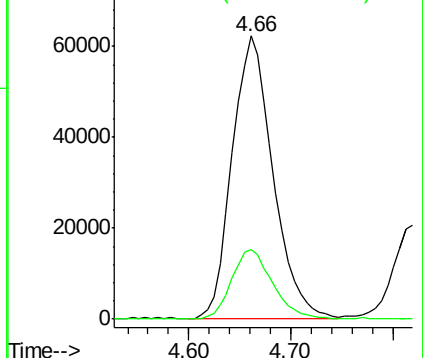
MMDadoda

9/19/2019 1:06:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.383 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012493.D

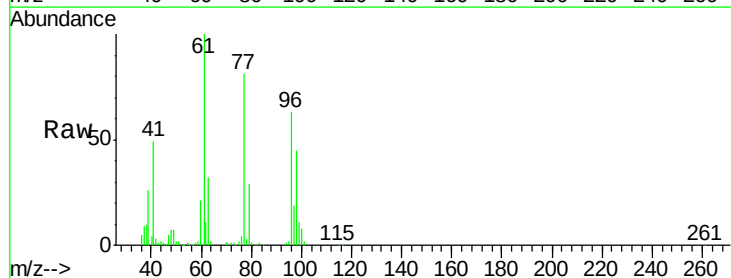
Acq: 18 Sep 2019 23:34

Tgt Ion: 77 Resp: 46778

Ion Ratio Lower Upper

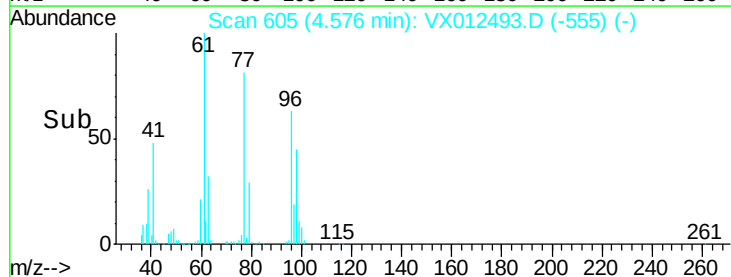
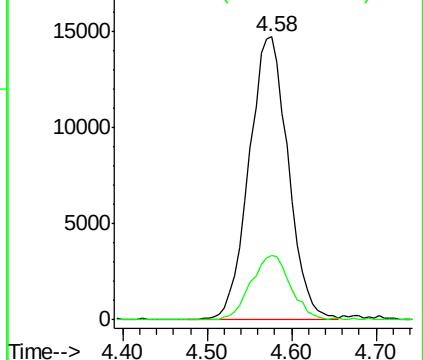
77 100

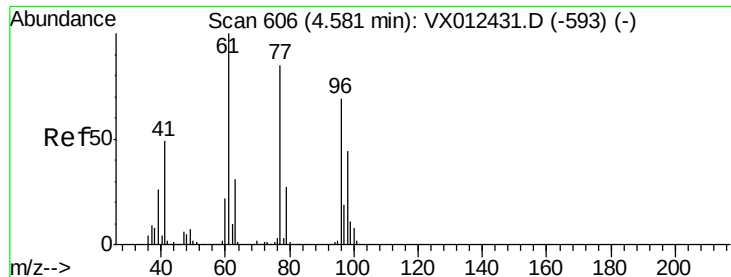
97 23.1 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

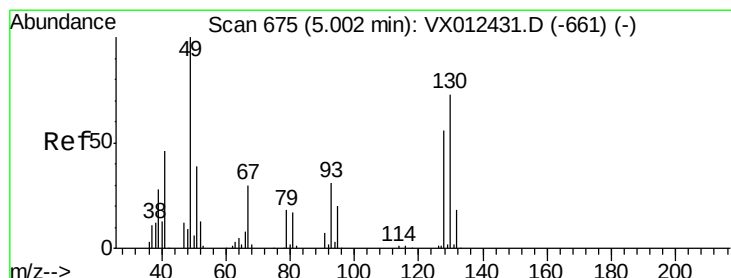
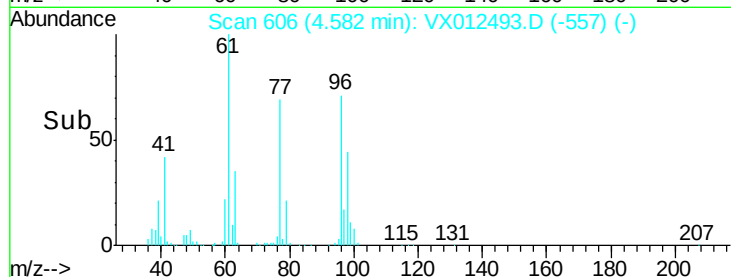
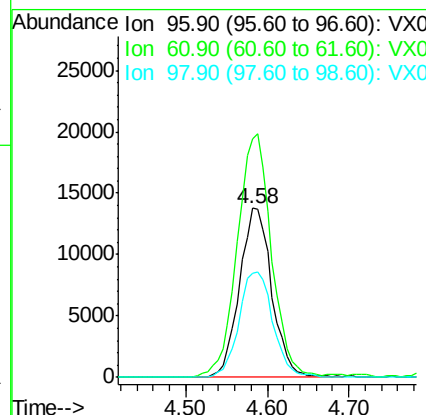
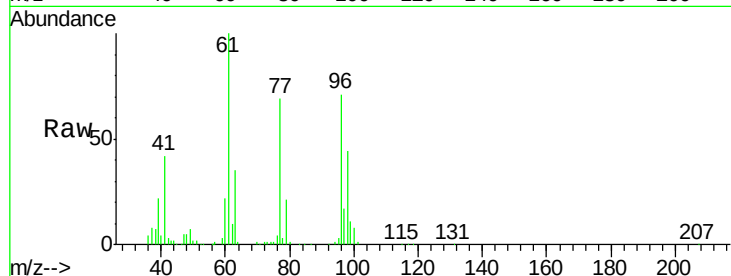
cis-1,2-Dichloroethene
 Concen: 19.194 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	37751		
61	152.0		0.0	319.4
98	65.5		0.0	130.6

Manual Integrations
 APPROVED

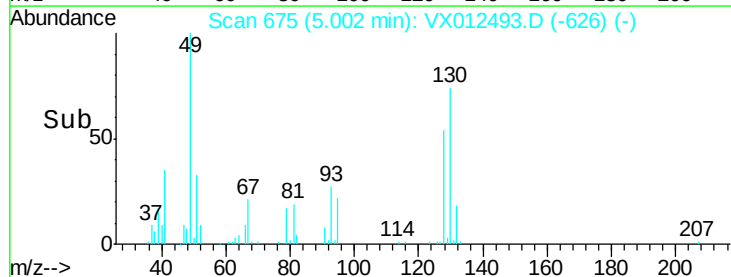
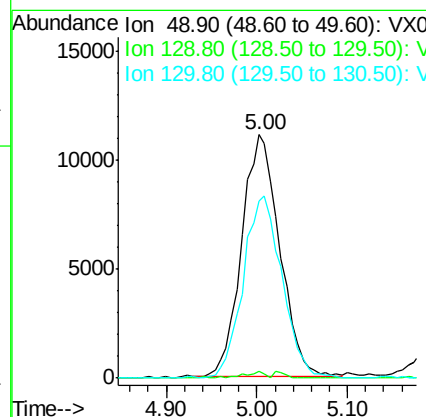
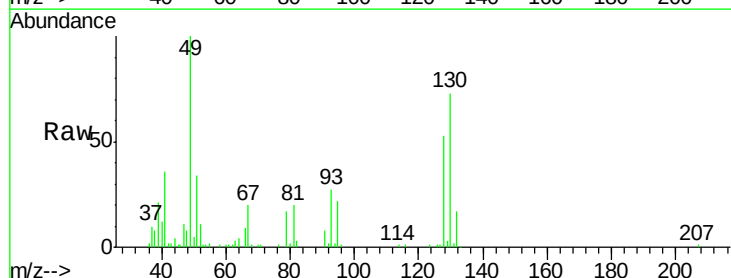
MMDadoda
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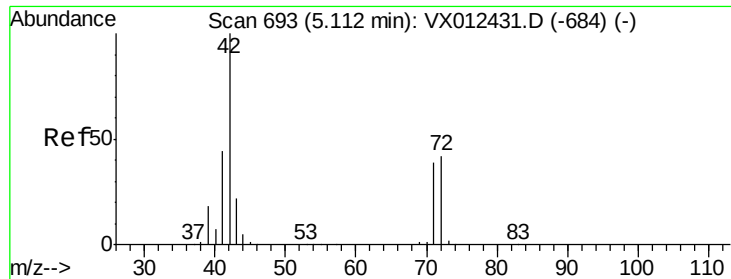


#28

Bromochloromethane
 Concen: 19.010 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32409		
129	1.5		0.0	3.8
130	76.2		58.2	87.4





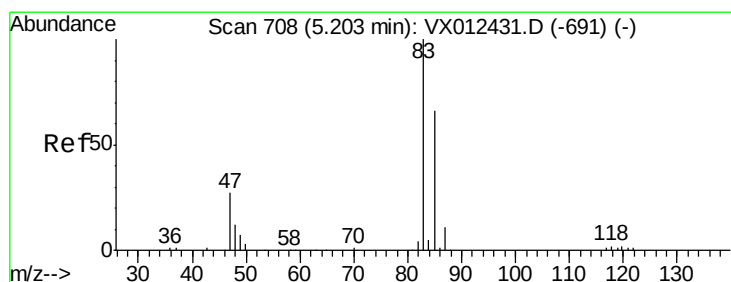
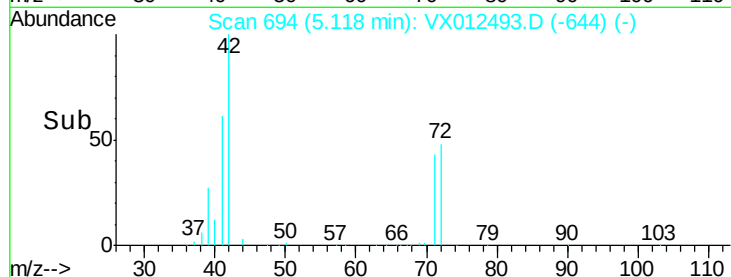
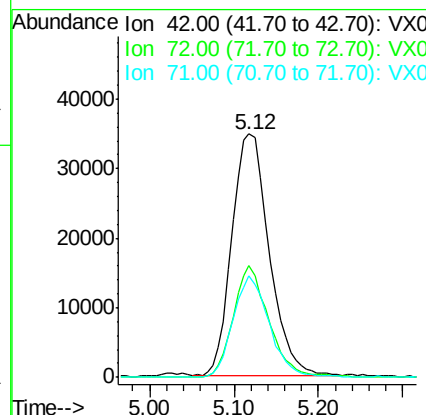
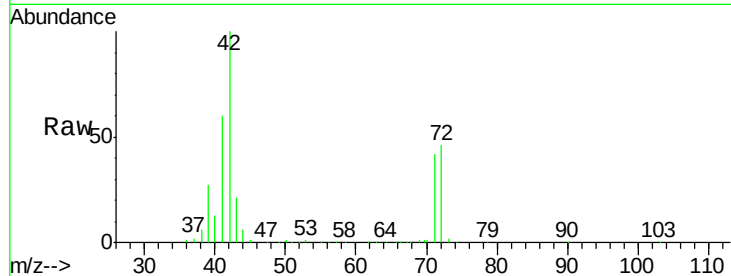
#29
Tetrahydrofuran
Concen: 94.418 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.0	51.0
71	41.1	31.5	47.3

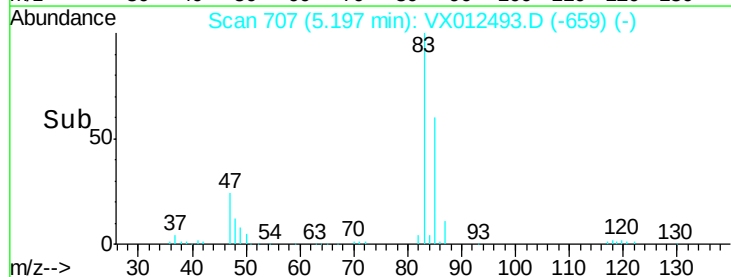
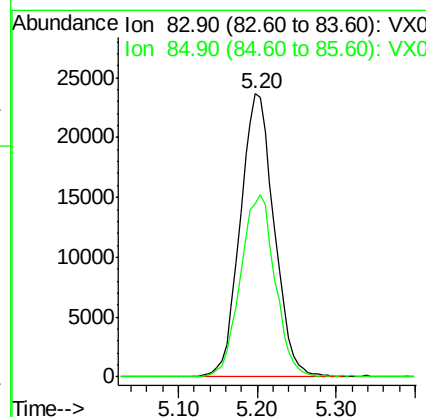
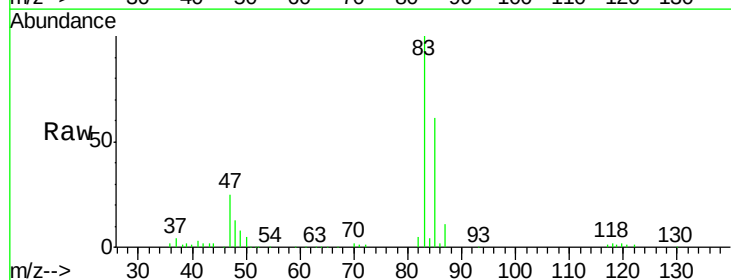
Manual Integrations
APPROVED

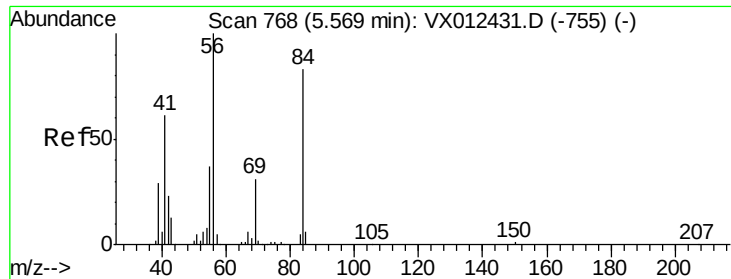
MMDadoda
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#30
Chloroform
Concen: 18.601 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.0	79.4





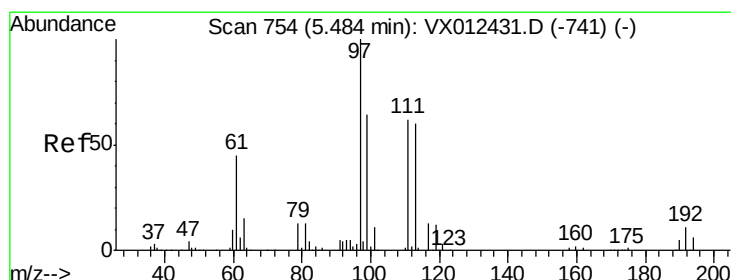
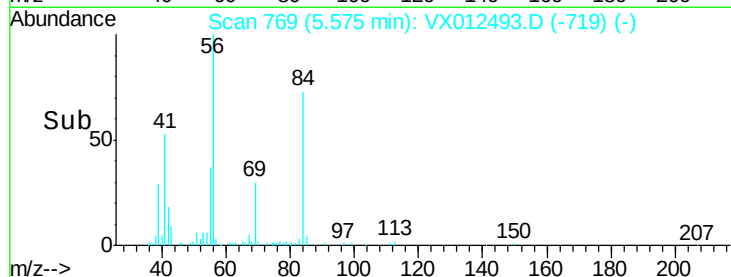
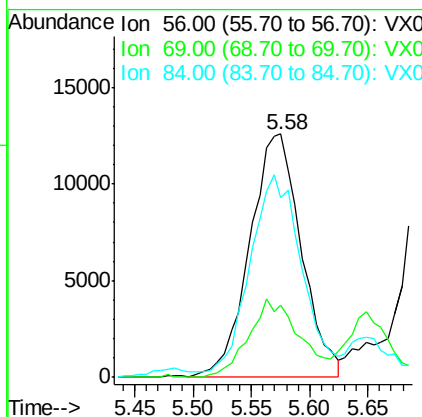
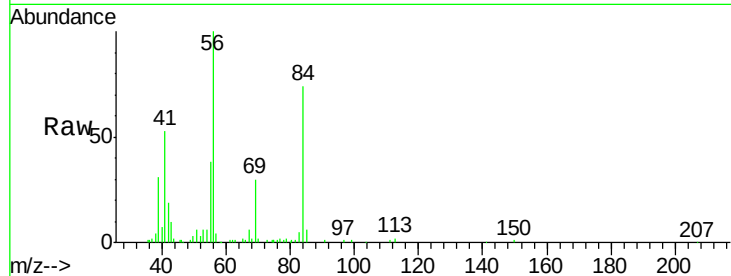
#31
Cyclohexane
Concen: 19.399 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:	56	Resp:	38726
Ion Ratio	Lower	Upper	
56	100		
69	29.8	25.0	37.6
84	71.6	66.4	99.6

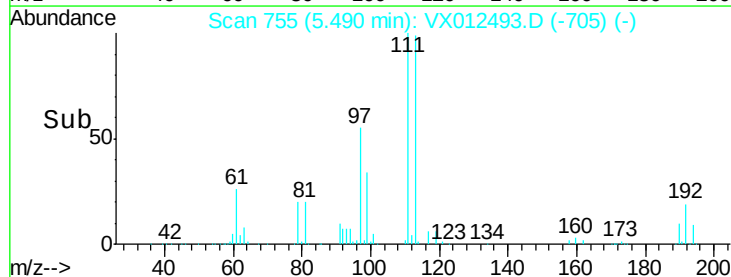
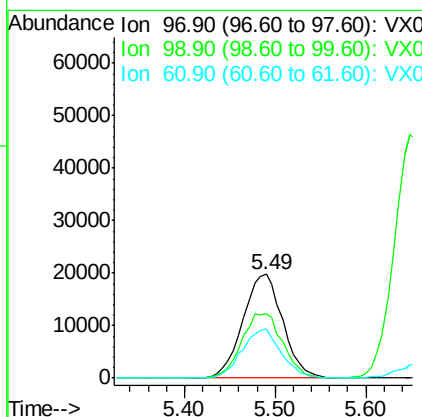
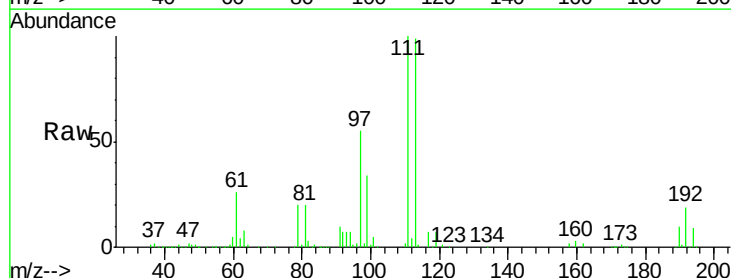
Manual Integrations
APPROVED

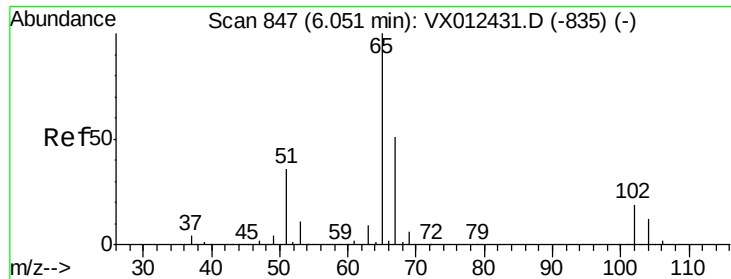
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#32
1,1,1-Trichloroethane
Concen: 19.019 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion:	97	Resp:	60371
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	46.6	36.1	54.1





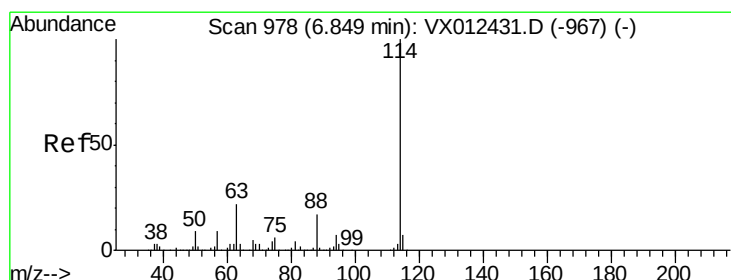
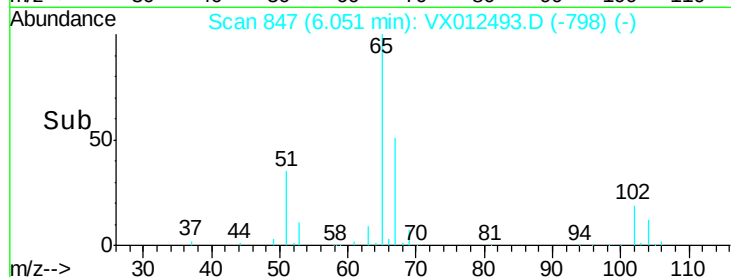
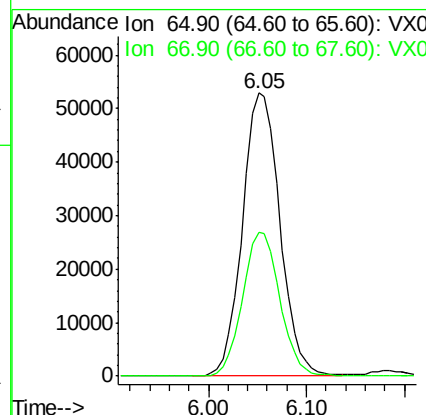
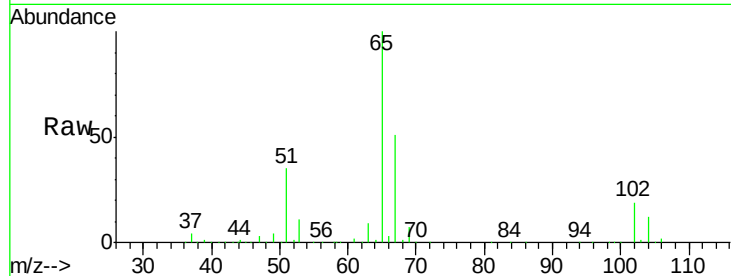
#33
 1,2-Dichloroethane-d4
 Concen: 48.624 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140538		
67	50.6	0.0	101.2	

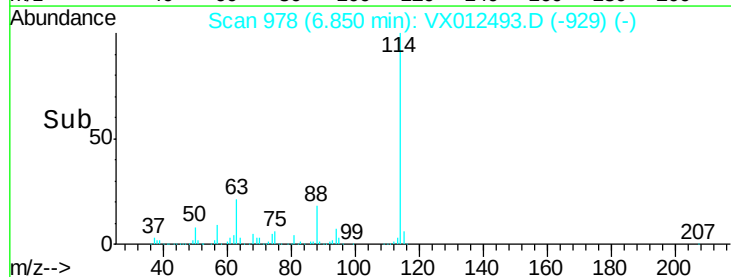
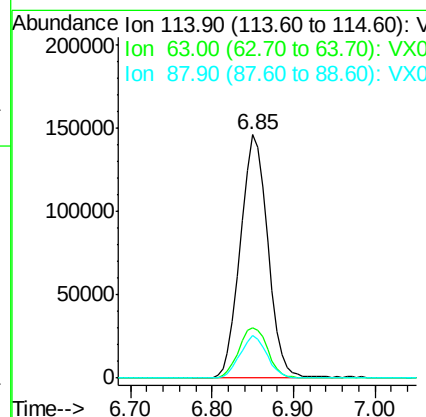
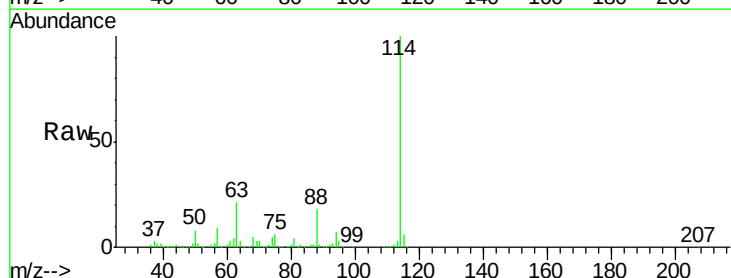
Manual Integrations
 APPROVED

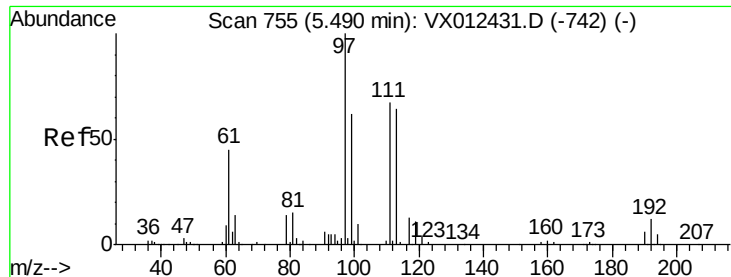
MMDadoda
 9/19/2019 1:06:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341825		
63	20.5	0.0	43.2	
88	17.6	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.390 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

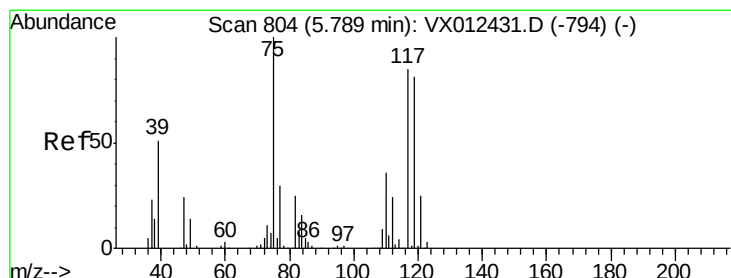
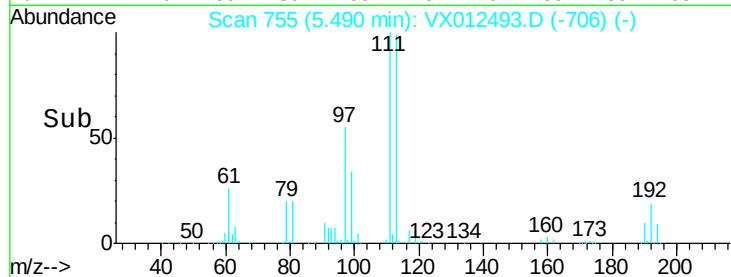
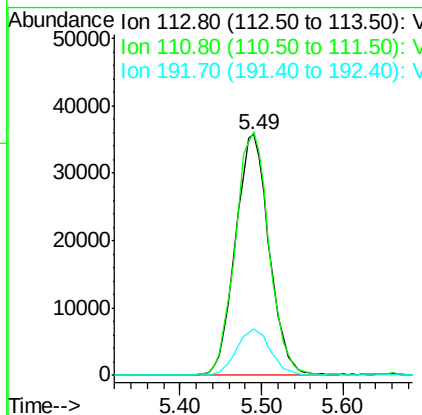
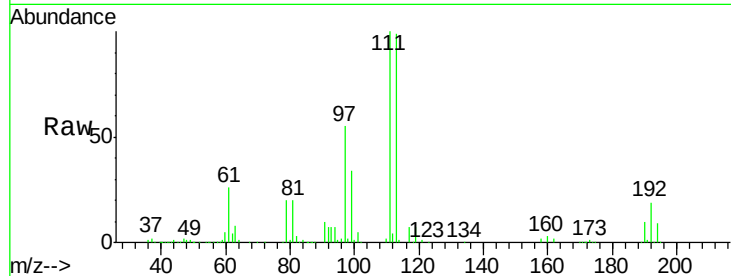
ClientSampleId :

VX0918WBS02

Tot Ion:	113	Resp:	102184
Ion Ratio	Lower	Upper	
113	100		
111	101.8	83.4	125.2
192	19.4	14.4	21.6

Manual Integrations
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9/19/2019 1:06:17 PM



#36

1,1-Dichloropropene

Concen: 18.180 ug/l

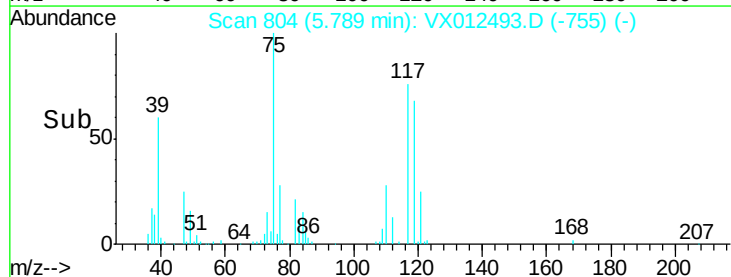
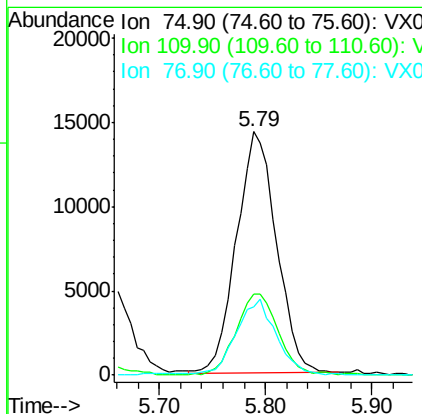
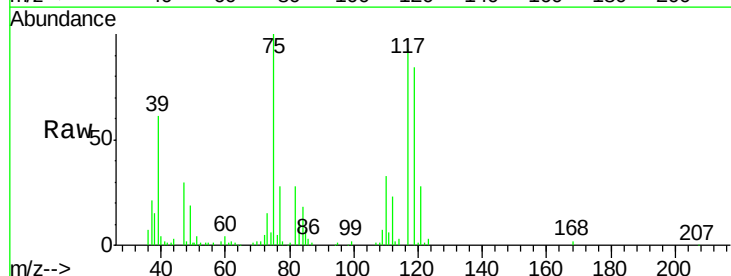
RT: 5.79 min Scan# 804

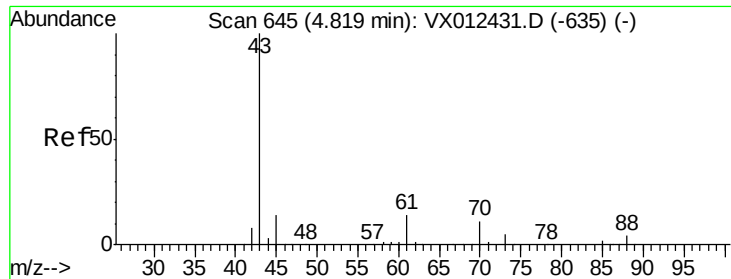
Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:	75	Resp:	37769
Ion Ratio	Lower	Upper	
75	100		
110	35.6	16.7	50.0
77	31.6	24.2	36.2





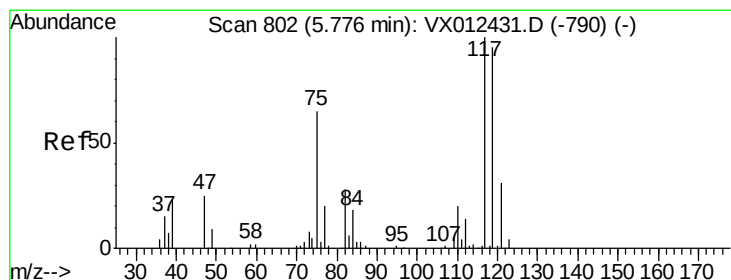
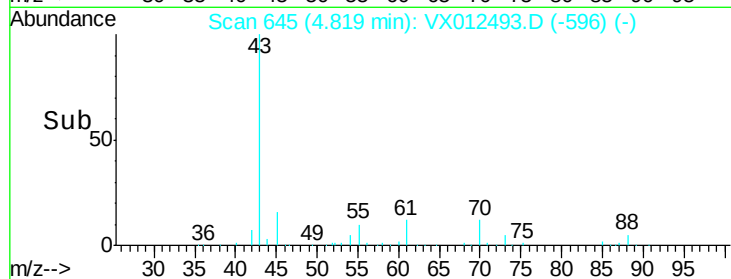
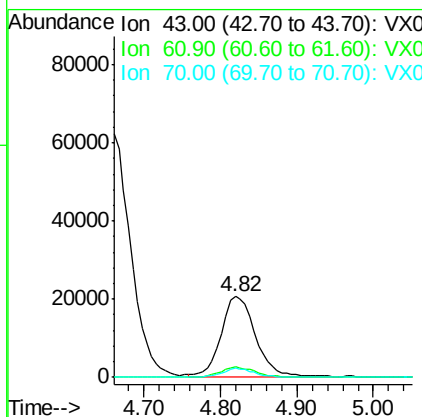
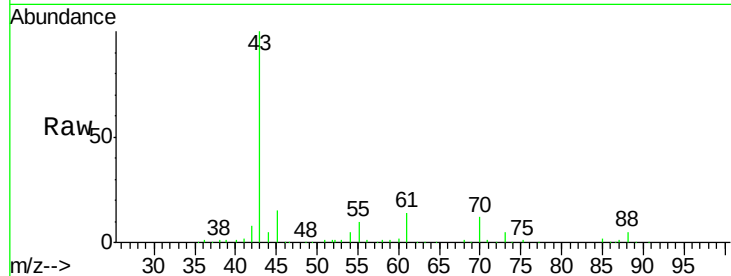
#37
Ethyl Acetate
Concen: 19.963 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.4
70	11.0	8.7	13.1

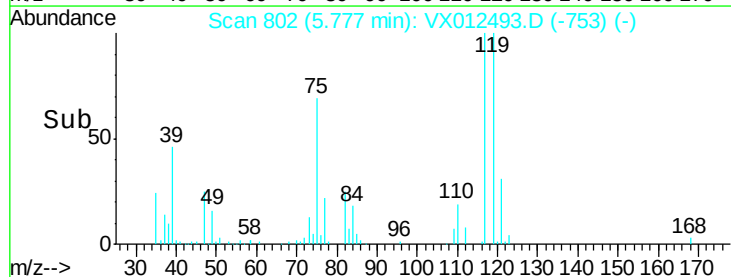
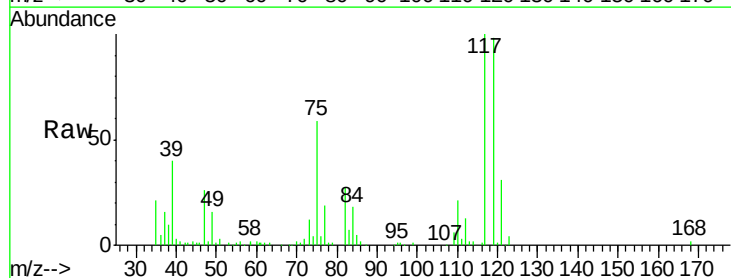
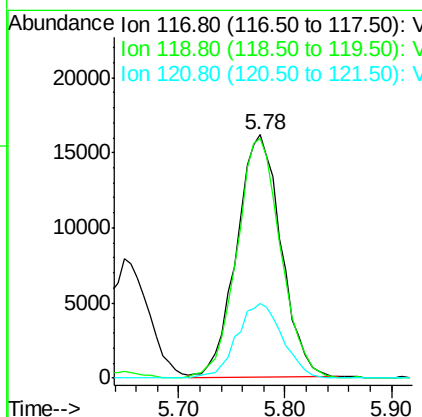
Manual Integrations
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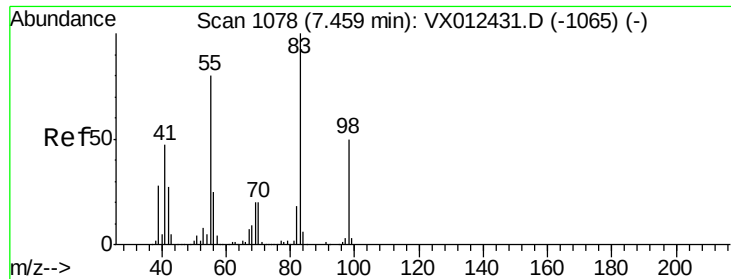
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.264 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.7	113.5
121	30.7	24.2	36.4





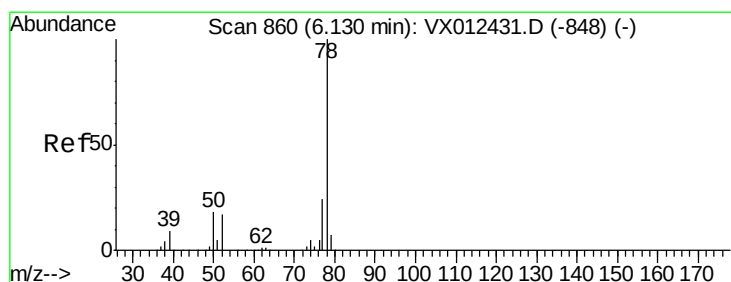
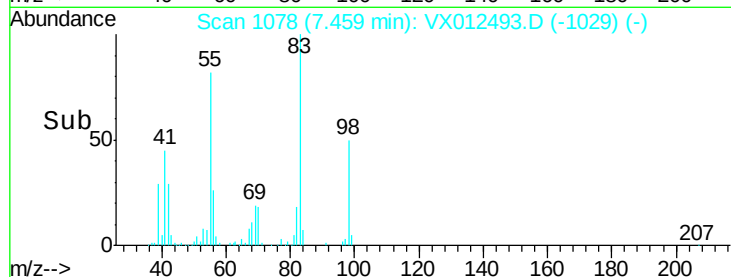
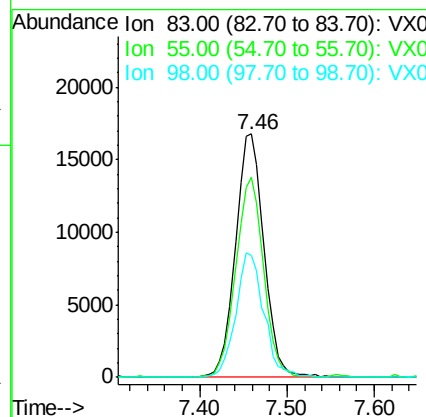
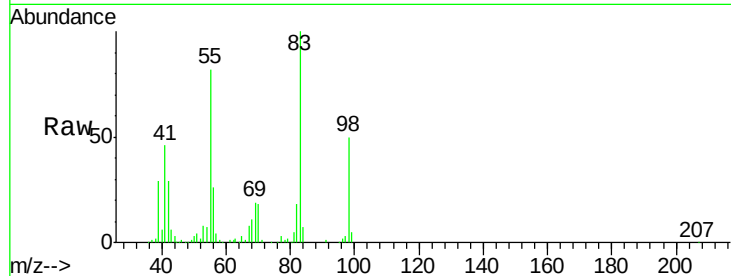
#39
Methylvlcyclohexane
Concen: 18.835 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.3	64.4	96.6	
98	49.9	40.1	60.1	

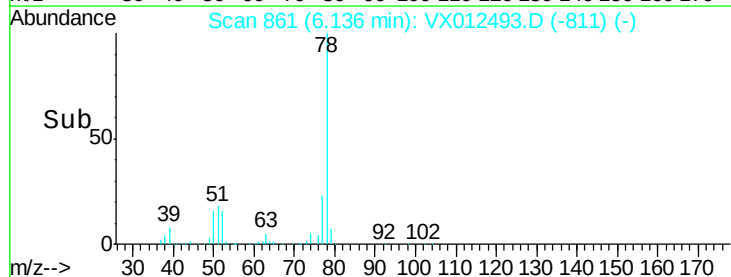
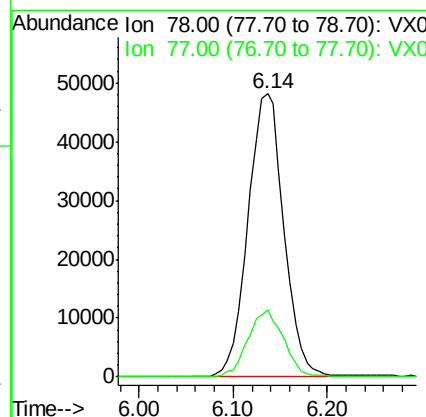
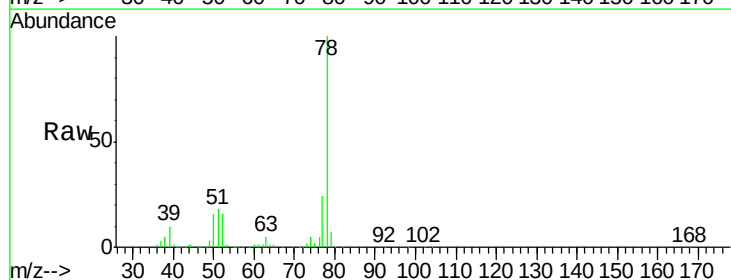
Manual Integrations
APPROVED

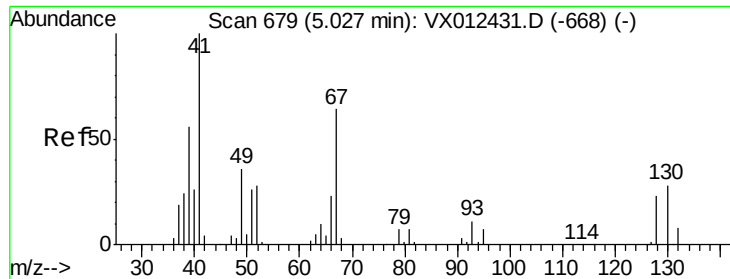
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#40
Benzene
Concen: 19.426 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.2	28.8	





#41

Methacrylonitrile

Concen: 18.043 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 41 Resp: 37048

Ion Ratio Lower Upper

41 100

39 55.4 46.0 69.0

67 66.1 52.2 78.2

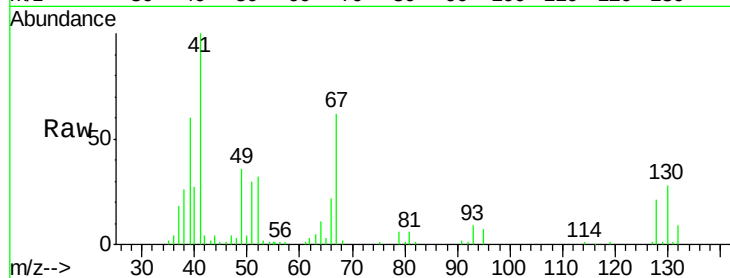
52 30.9 22.7 34.1

Manual Integrations

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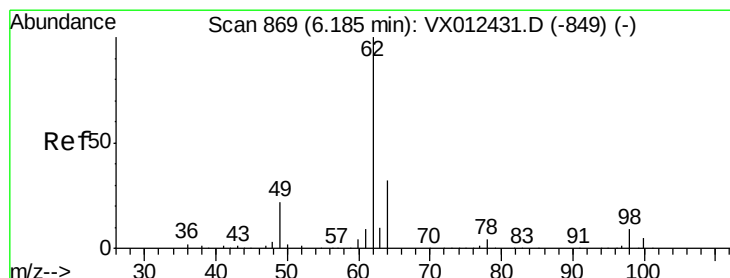
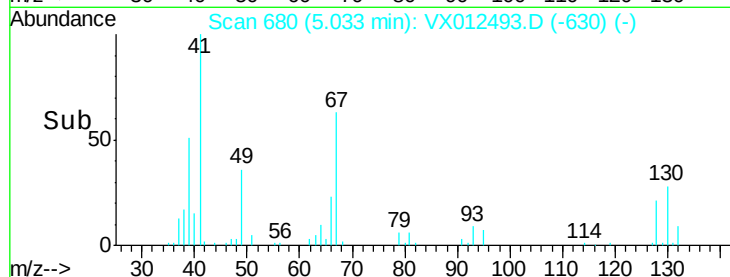
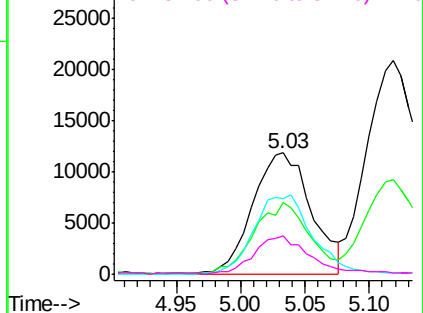


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.112 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012493.D

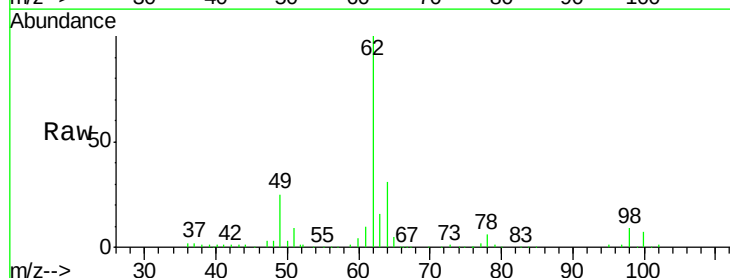
Acq: 18 Sep 2019 23:34

Tgt Ion: 62 Resp: 58560

Ion Ratio Lower Upper

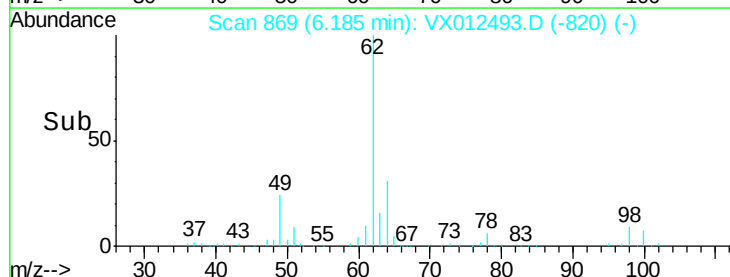
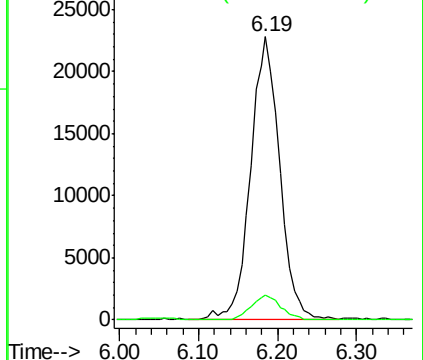
62 100

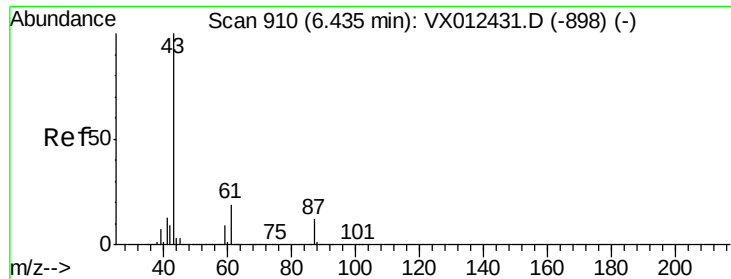
98 8.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

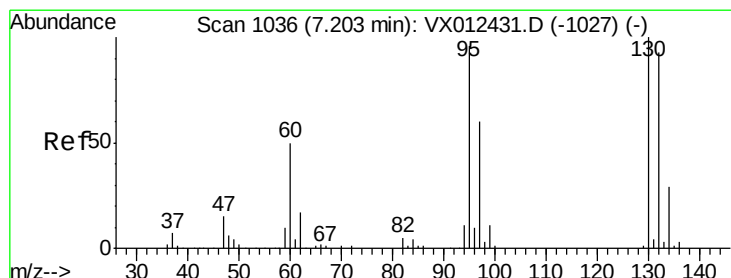
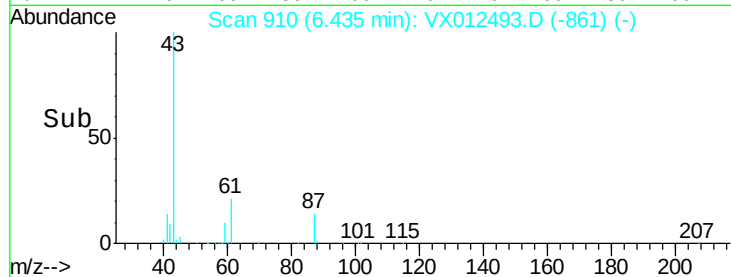
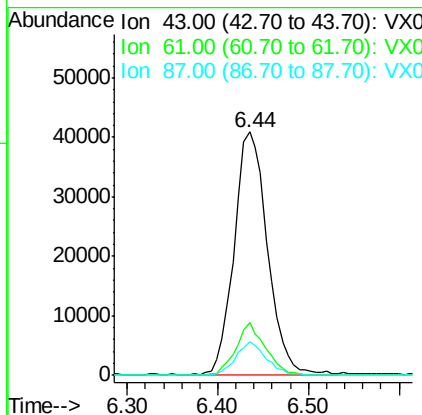
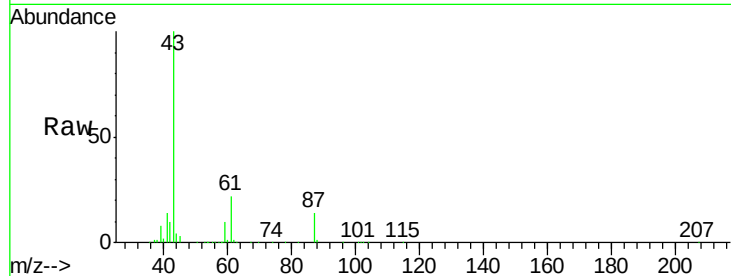
Isopropyl Acetate
 Concen: 18.144 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	12.7	9.8	14.8

Manual Integrations
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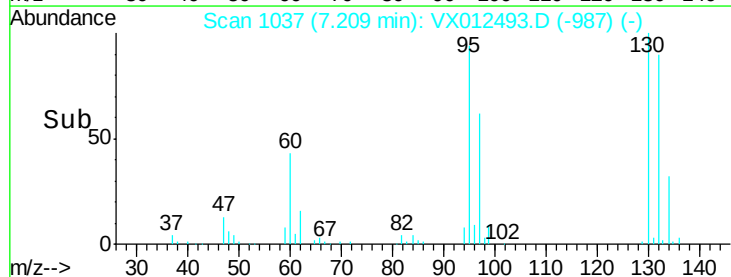
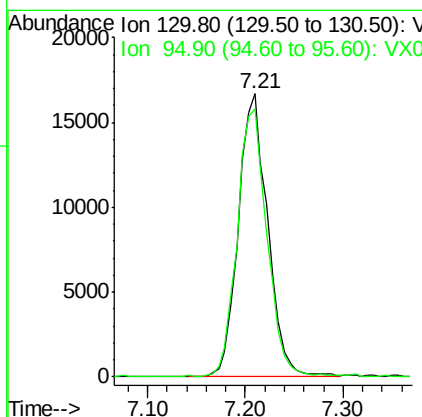
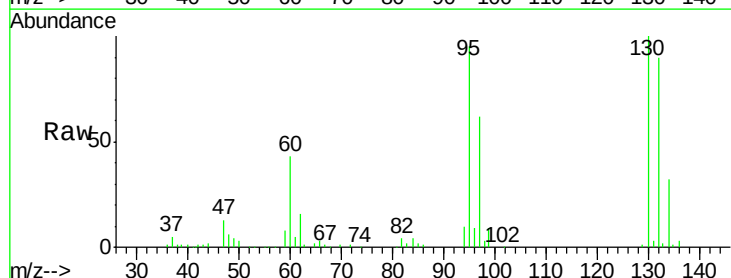
MMDadoda
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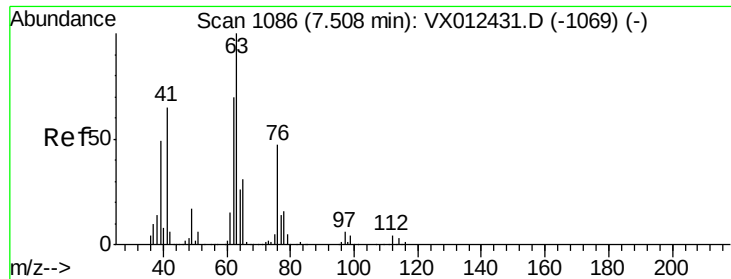


#44

Trichloroethene
 Concen: 19.972 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	193.0





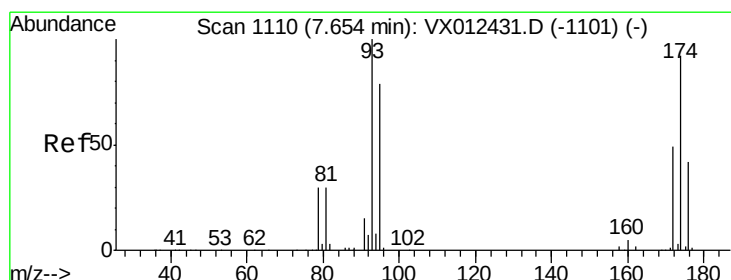
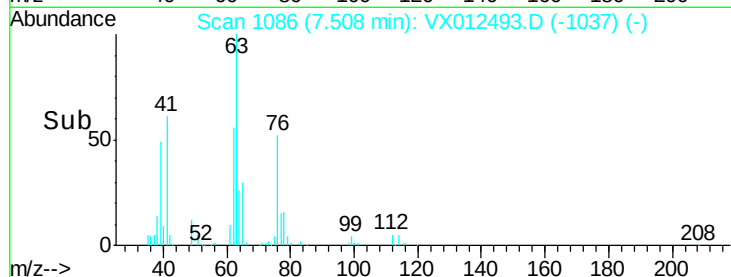
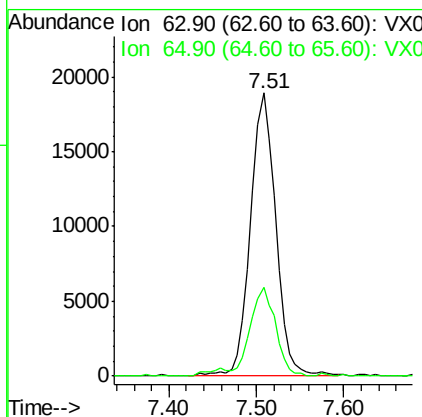
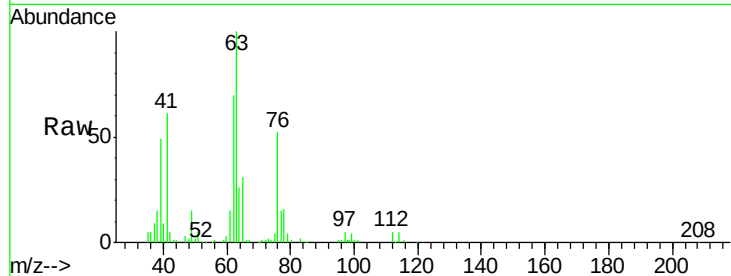
#45
 1,2-Dichloropropane
 Concen: 18.835 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion: 63 Resp: 38227
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

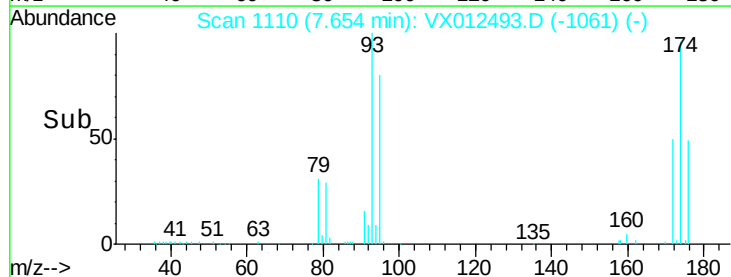
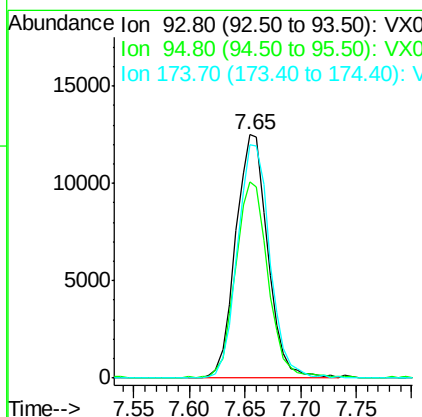
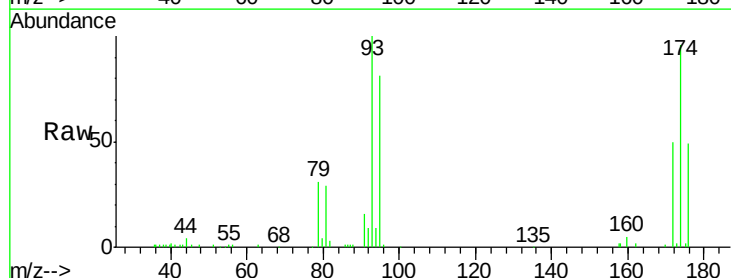
Manual Integrations
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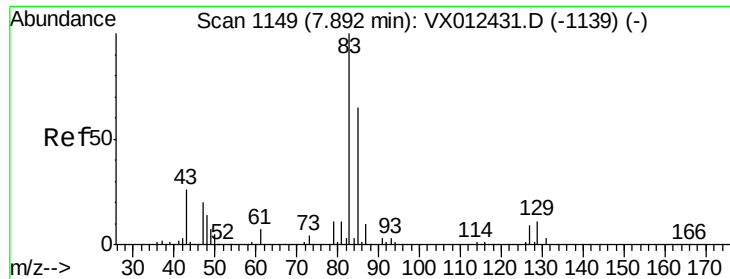
MMDadoda
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#46
 Dibromomethane
 Concen: 19.032 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion: 93 Resp: 24997
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 96.8 77.4 116.0





#47

Bromodichloromethane

Concen: 18.588 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

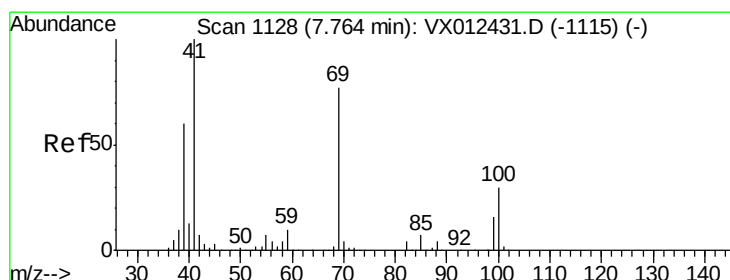
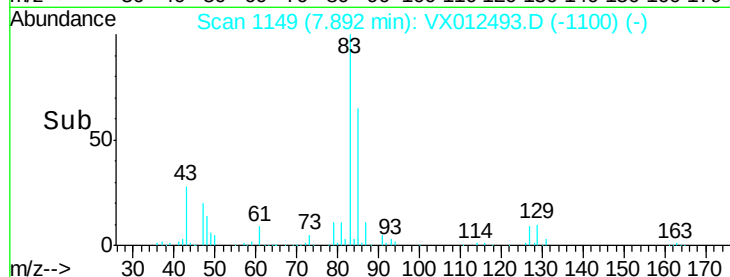
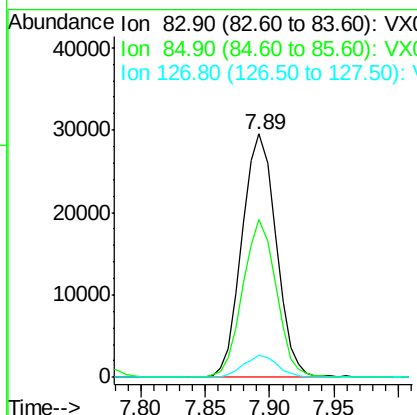
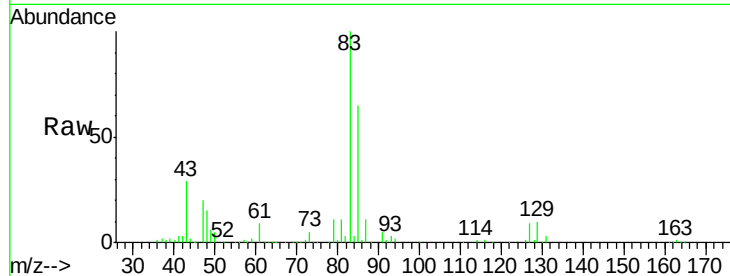
ClientSampleId :

VX0918WBS02

Tot Ion:	83	Resp:	54360
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.284 ug/l

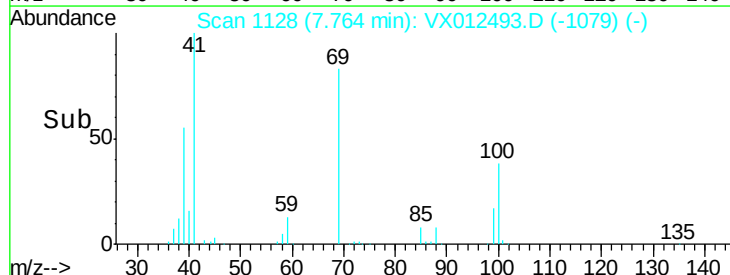
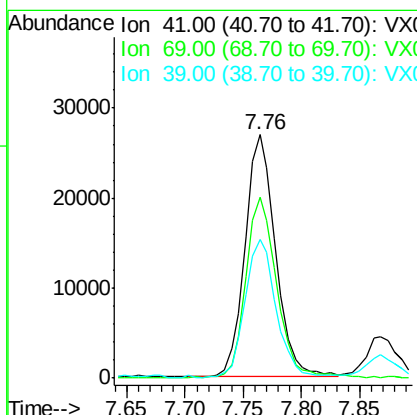
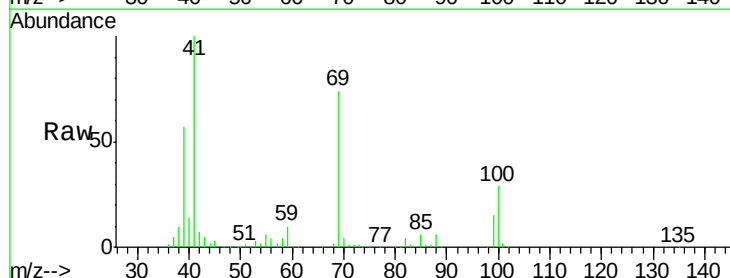
RT: 7.76 min Scan# 1128

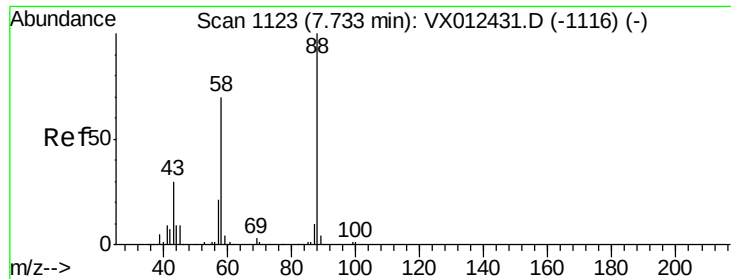
Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:	41	Resp:	49329
Ion	Ratio	Lower	Upper
41	100		
69	76.4	59.9	89.9
39	58.0	47.8	71.6





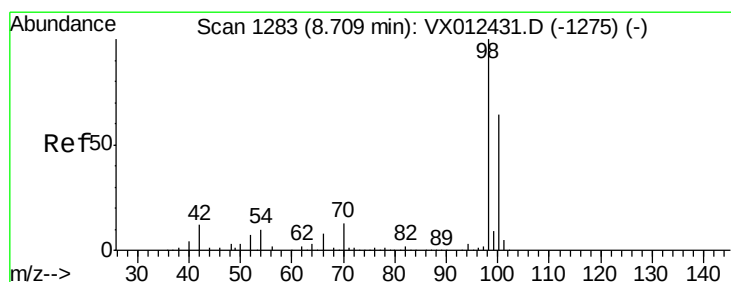
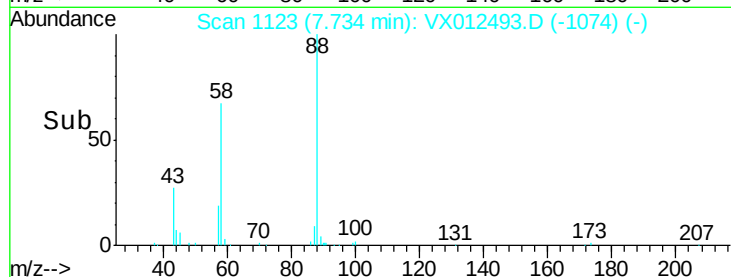
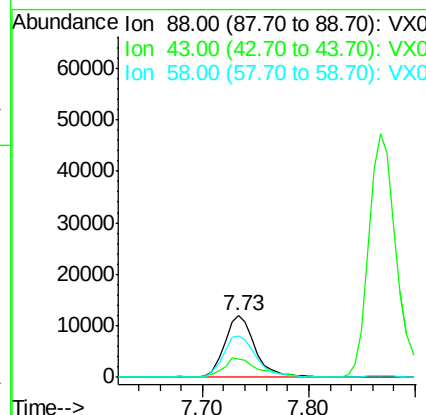
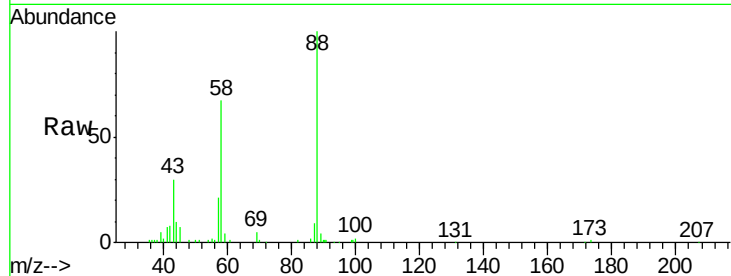
#49
1,4-Dioxane
Concen: 366.075 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.4	44.0
58	73.0	57.5	86.3

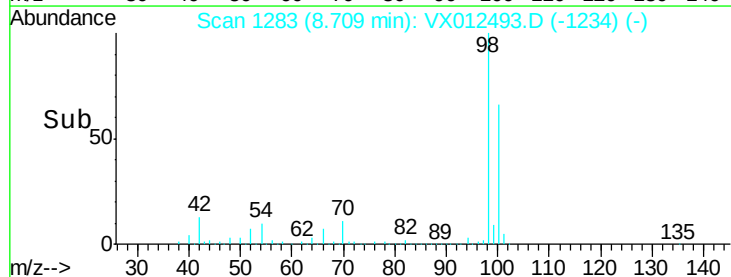
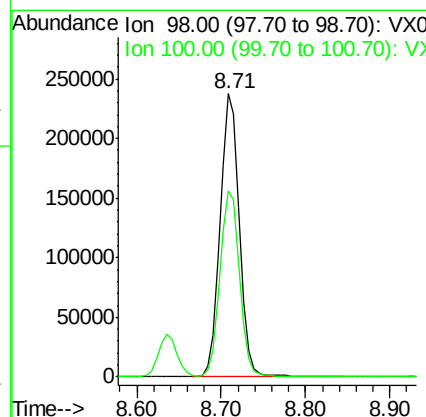
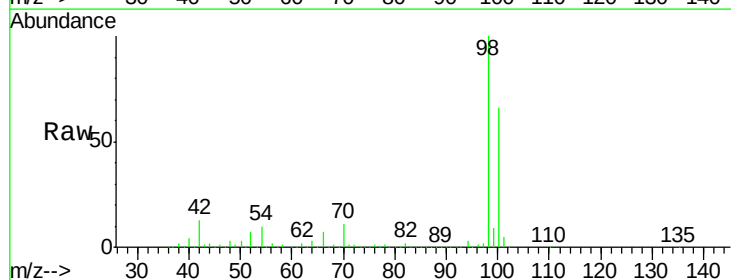
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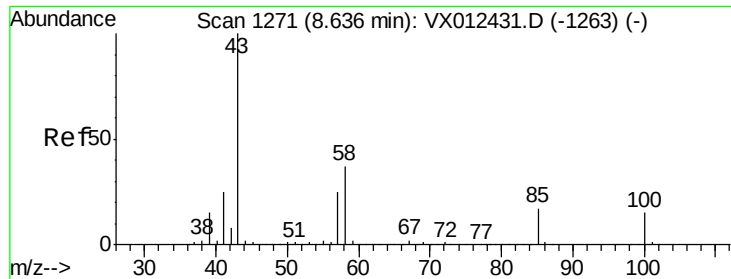
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#50
Toluene-d8
Concen: 49.106 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





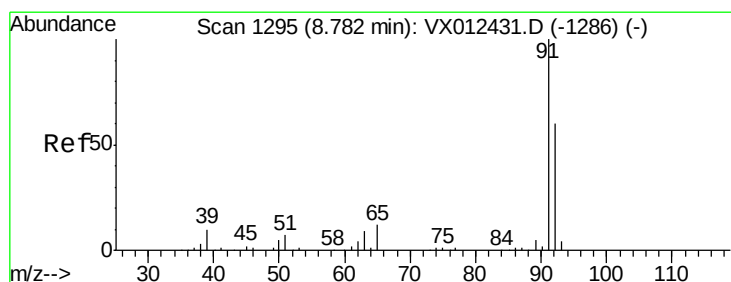
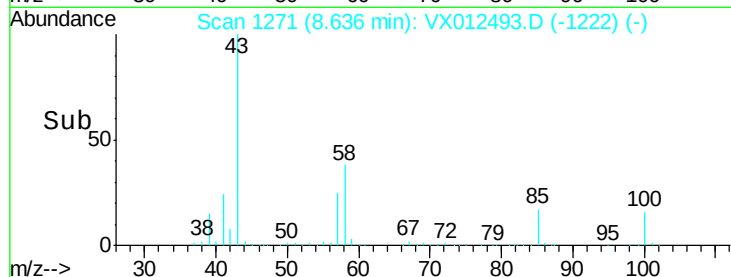
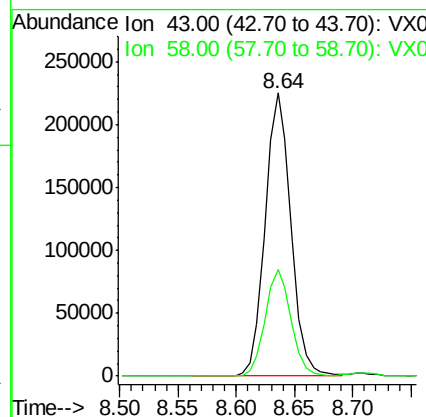
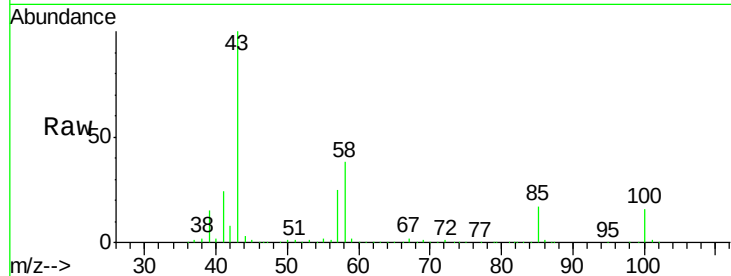
#51
4-Methyl-2-Pentanone
Concen: 92.459 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion: 43 Resp: 347036
Ion Ratio Lower Upper
43 100
58 37.7 29.8 44.6

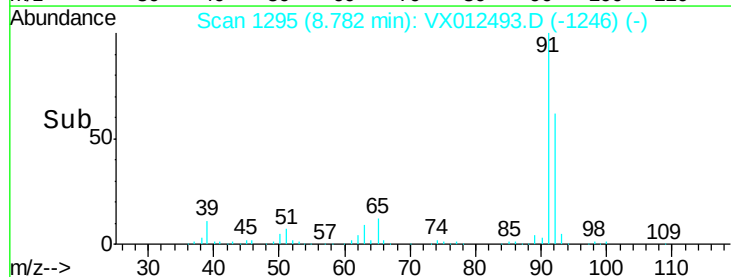
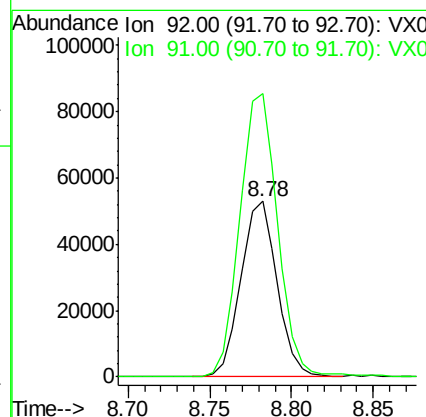
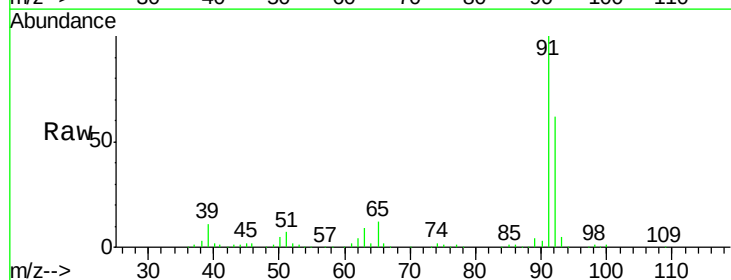
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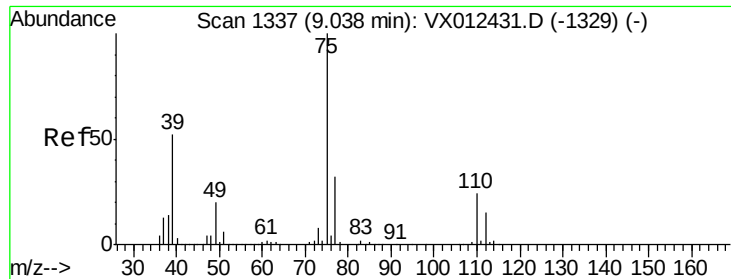
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#52
Toluene
Concen: 19.241 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion: 92 Resp: 81904
Ion Ratio Lower Upper
92 100
91 168.8 135.4 203.0





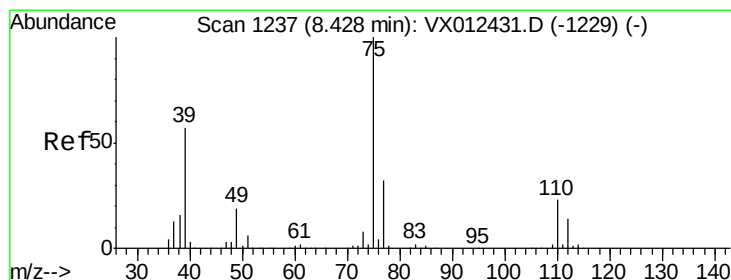
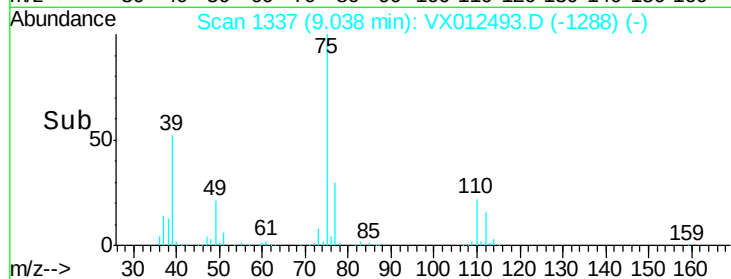
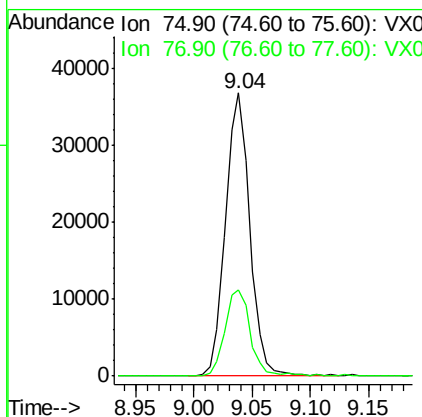
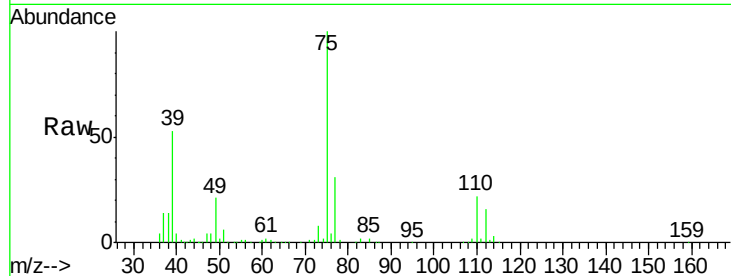
#53
 t-1,3-Dichloropropene
 Concen: 17.535 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion: 75 Resp: 53305
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.2 37.8

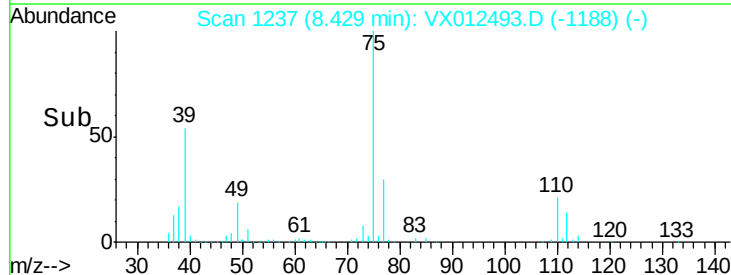
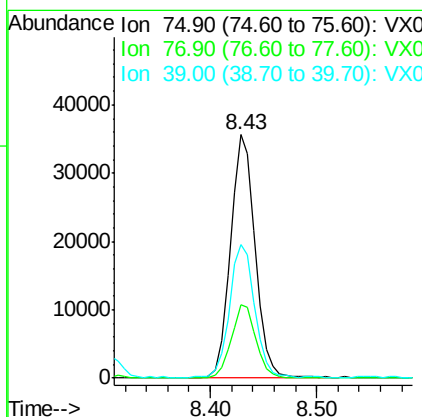
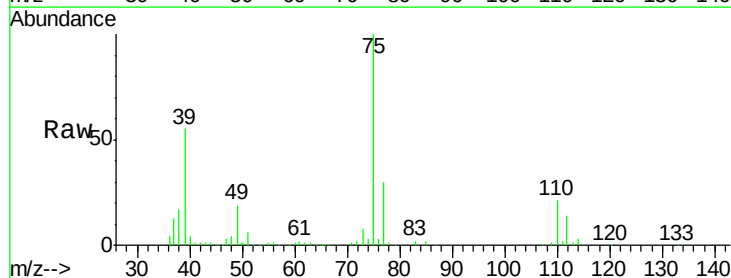
Manual Integrations
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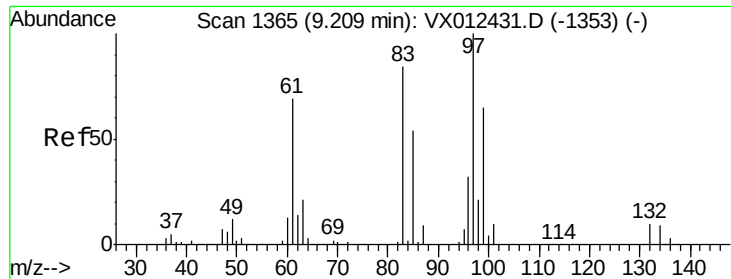
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#54
 cis-1,3-Dichloropropene
 Concen: 18.421 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion: 75 Resp: 57972
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8
 39 54.5 45.5 68.3





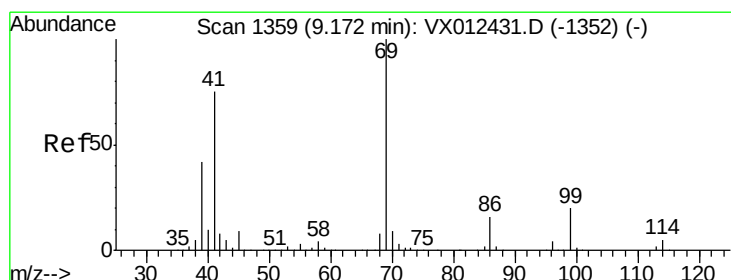
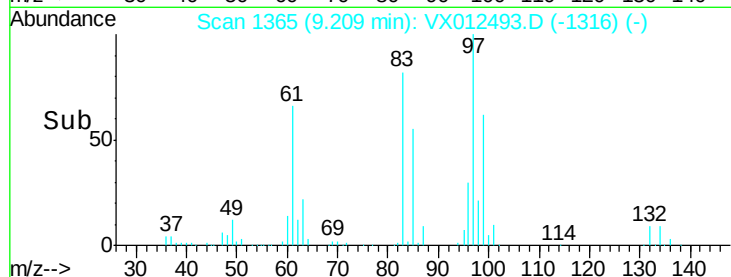
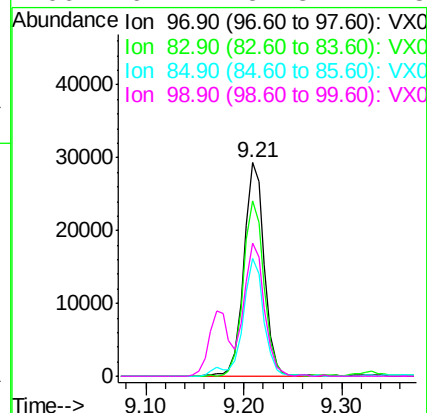
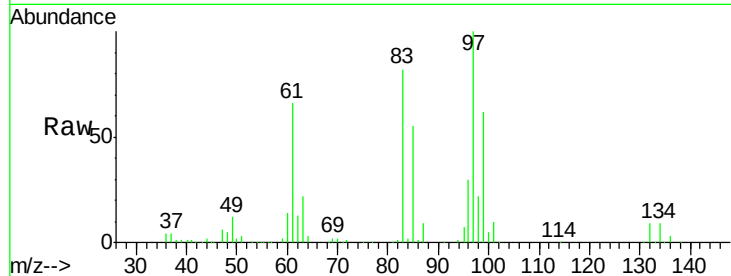
#55
 1,1,2-Trichloroethane
 Concen: 19.391 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion:	97	Resp:	42527
Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.4	101.2
85	54.9	43.5	65.3
99	62.1	51.8	77.8

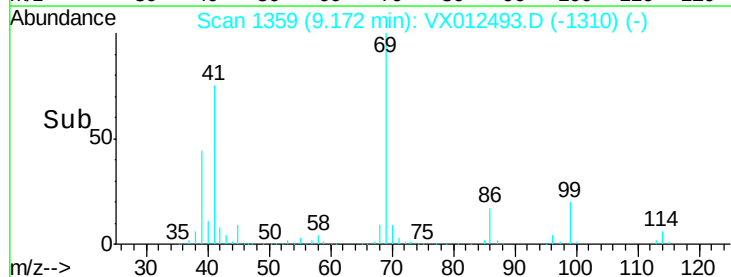
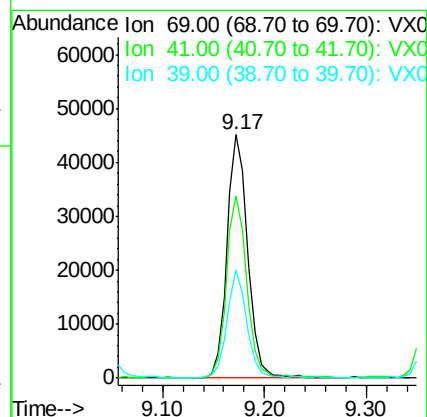
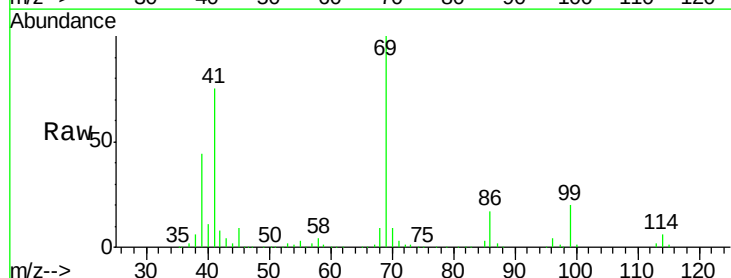
Manual Integrations
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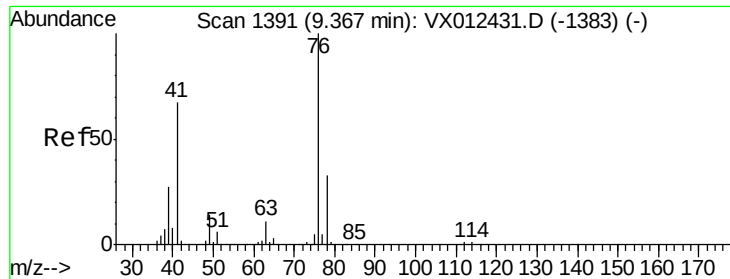
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#56
 Ethyl methacrylate
 Concen: 18.632 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion:	69	Resp:	63888
Ion	Ratio	Lower	Upper
69	100		
41	72.7	58.4	87.6
39	41.2	33.4	50.0





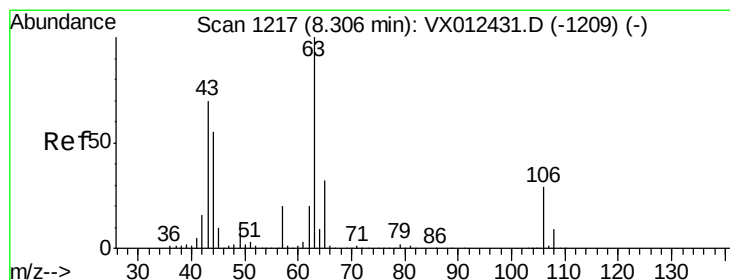
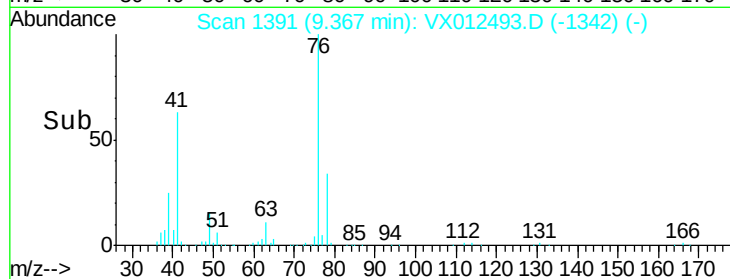
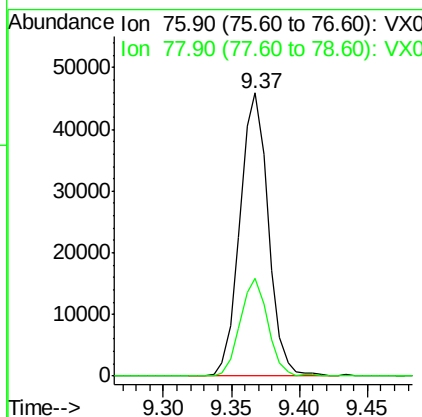
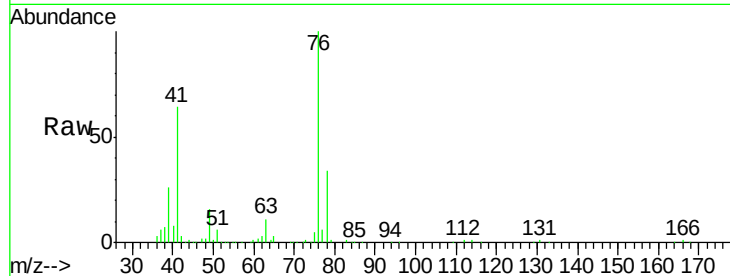
#57
 1,3-Dichloropropane
 Concen: 19.139 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion: 76 Resp: 66968
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.2 39.2

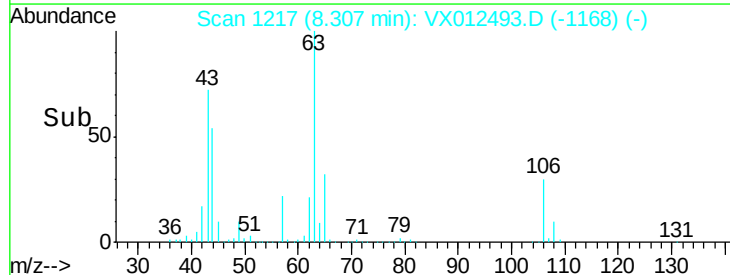
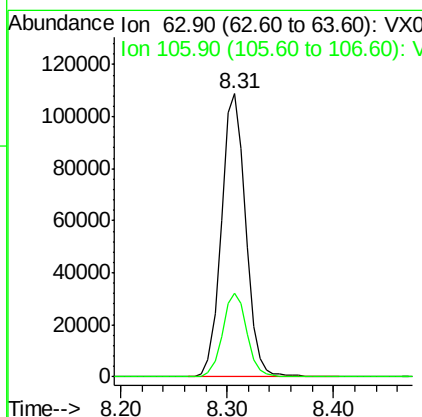
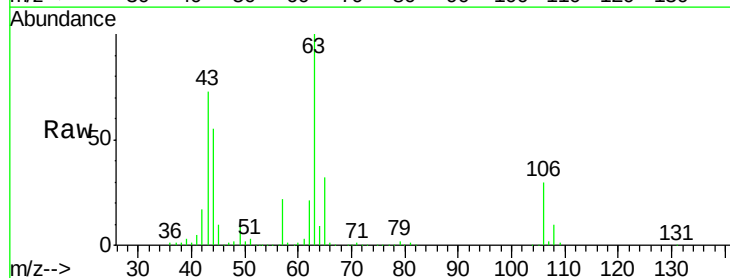
Manual Integrations
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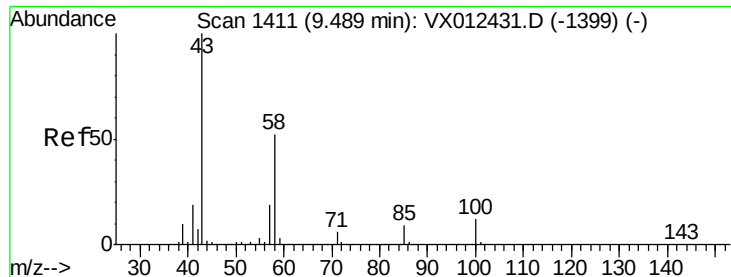
MMDadoda
 9/19/2019 1:06:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.998 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion: 63 Resp: 173939
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6





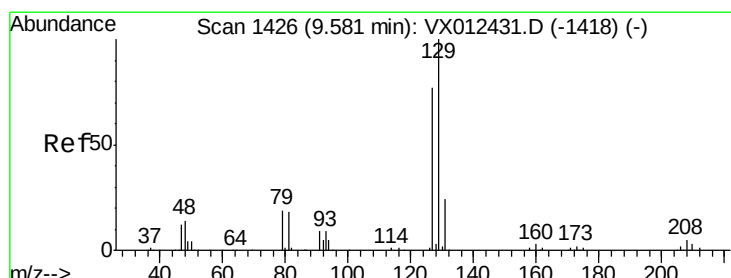
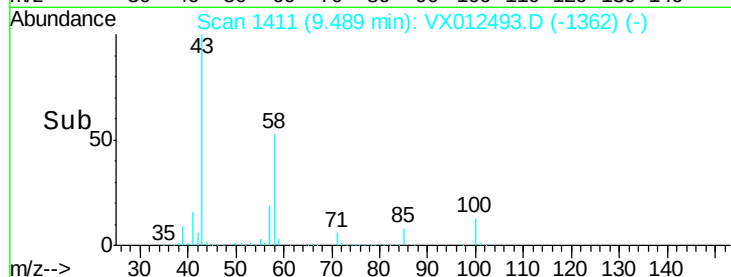
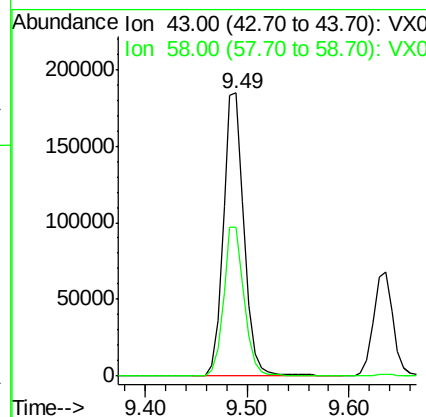
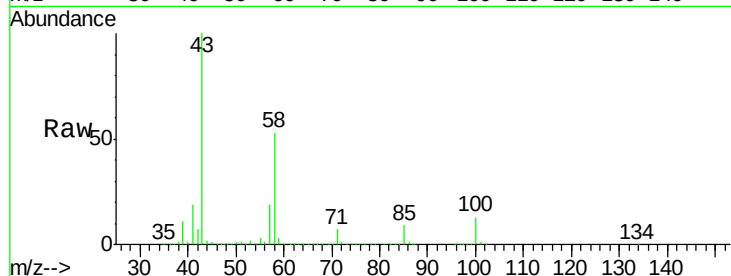
#59
2-Hexanone
Concen: 89.098 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion: 43 Resp: 260903
Ion Ratio Lower Upper
43 100
58 52.4 25.7 77.1

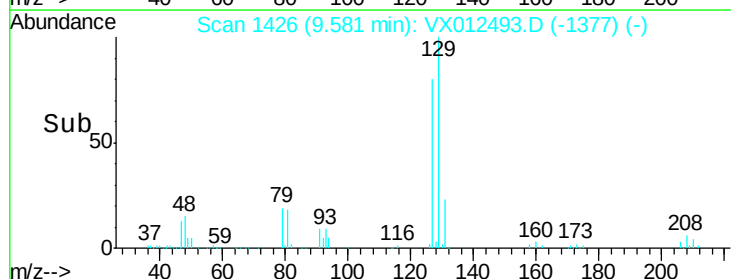
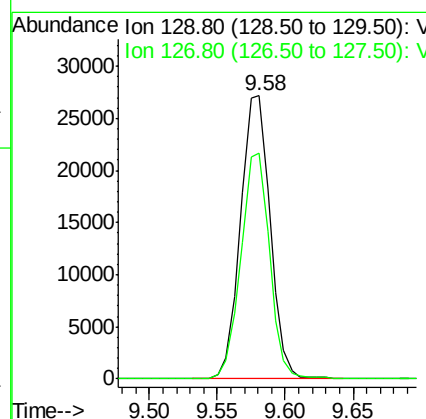
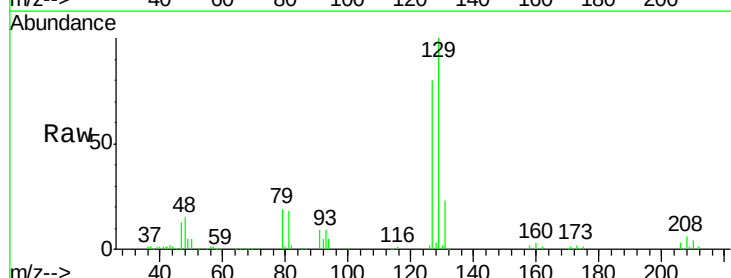
Manual Integrations
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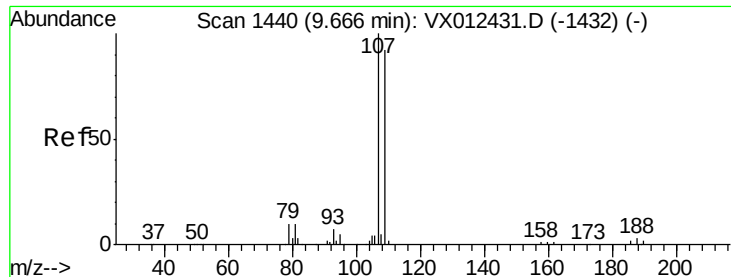
MMDadoda
9/19/2019 1:06:17 PM



#60
Dibromochloromethane
Concen: 18.510 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion: 129 Resp: 41350
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.939 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:107 Resp: 39937

Ion Ratio Lower Upper

107 100

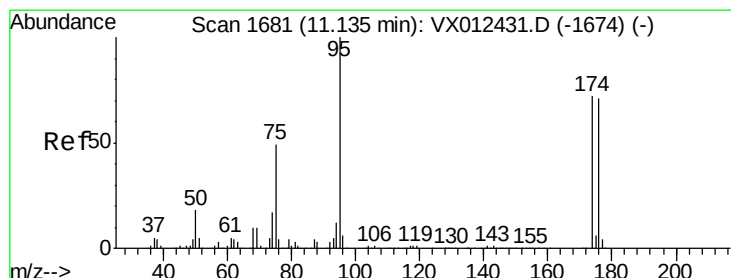
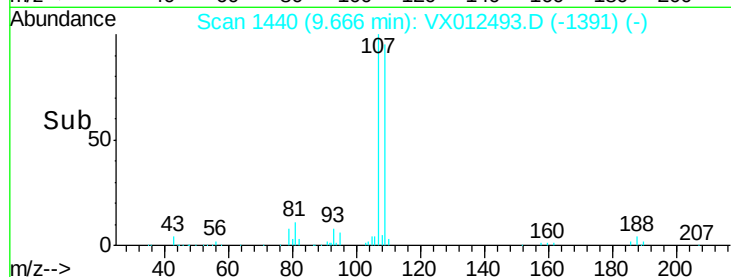
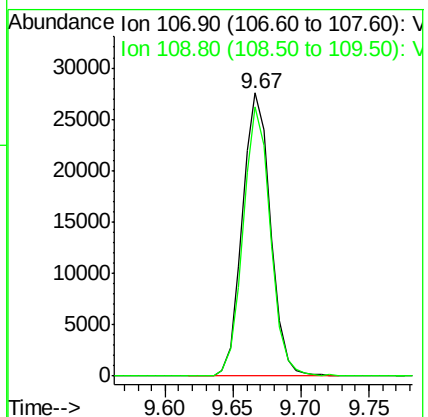
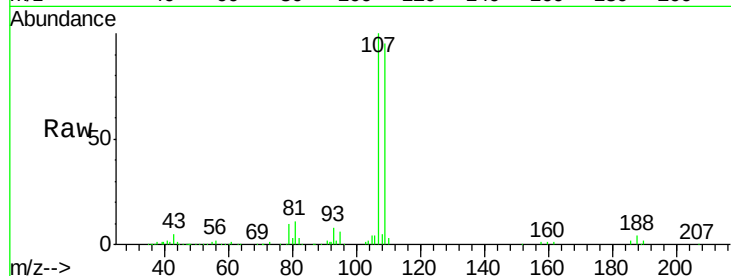
109 92.7 74.7 112.1

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.079 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

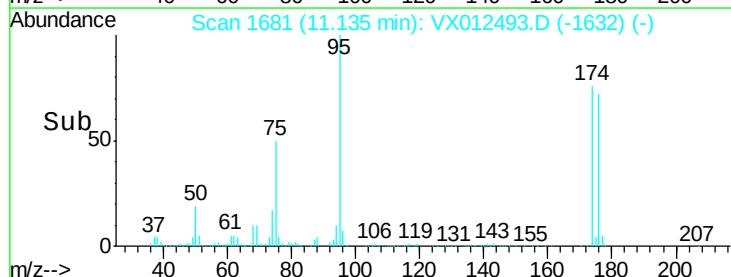
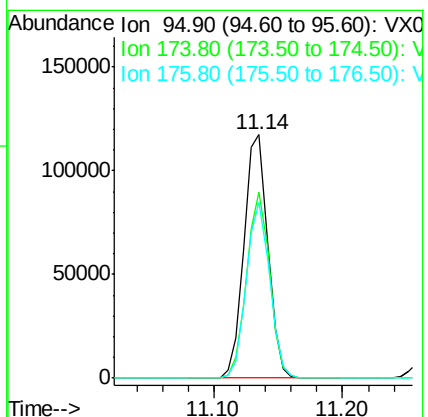
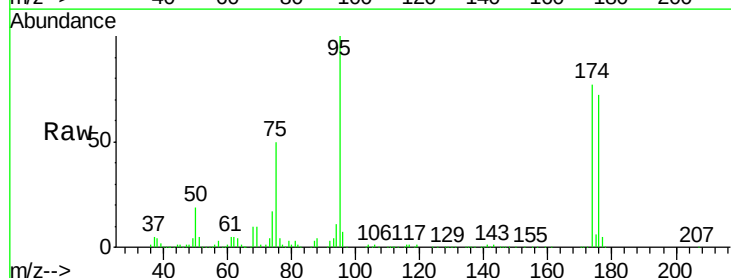
Tgt Ion: 95 Resp: 149696

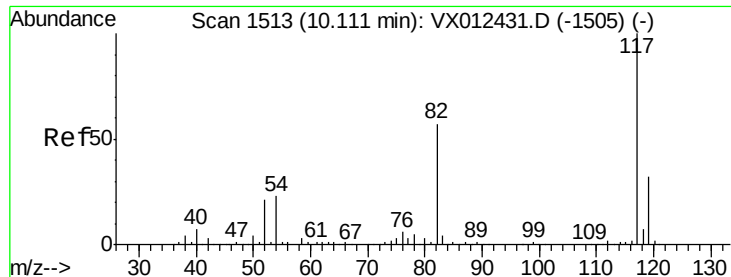
Ion Ratio Lower Upper

95 100

174 73.5 0.0 140.0

176 70.6 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:117 Resp: 306723

Ion Ratio Lower Upper

117 100

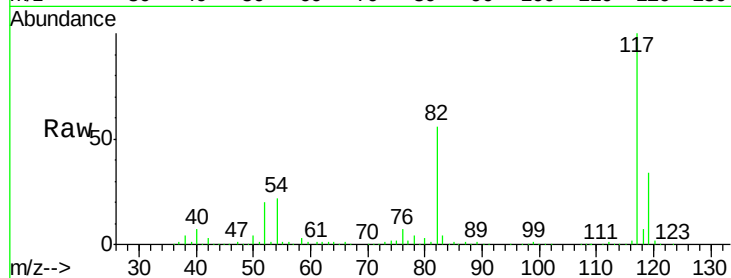
82 55.8 45.9 68.9

119 33.7 25.3 37.9

Manual Integrations
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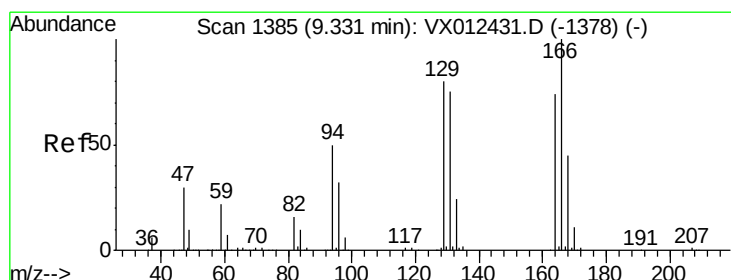
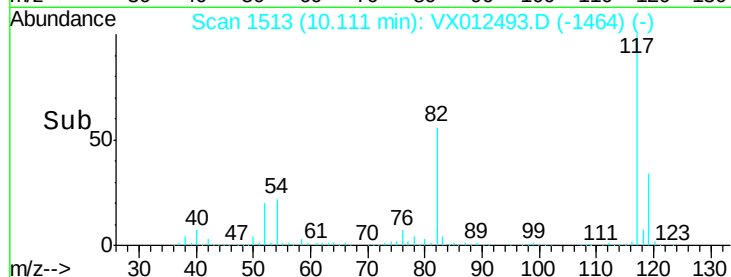
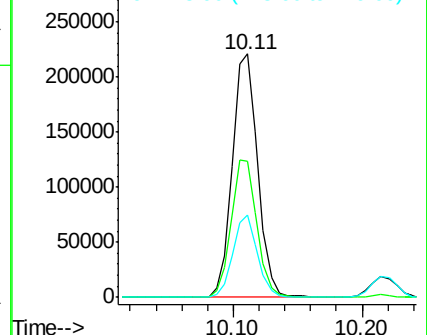
9/19/2019 1:06:17 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.930 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:164 Resp: 30823

Ion Ratio Lower Upper

164 100

166 142.7 107.8 161.6

129 107.2 86.2 129.2

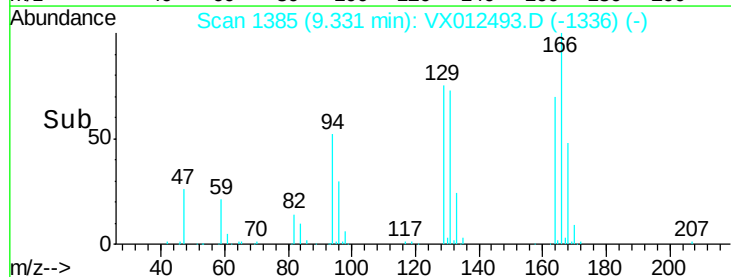
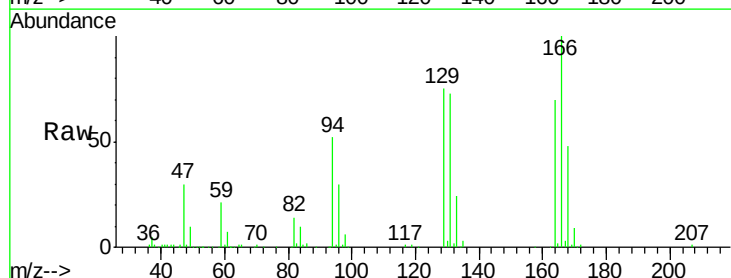
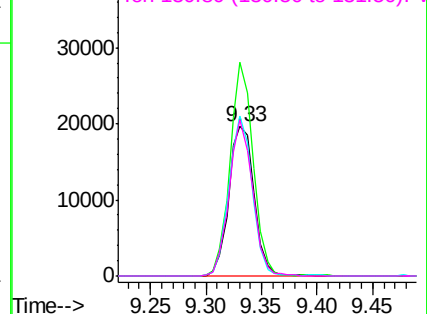
131 103.9 80.4 120.6

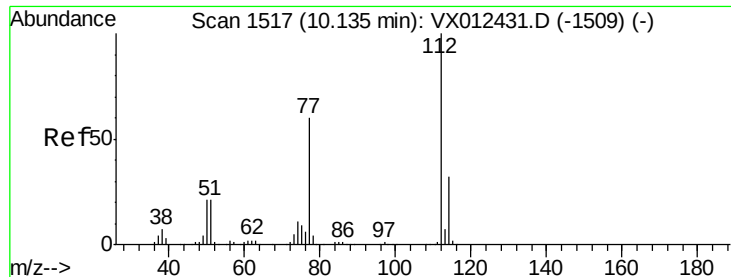
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





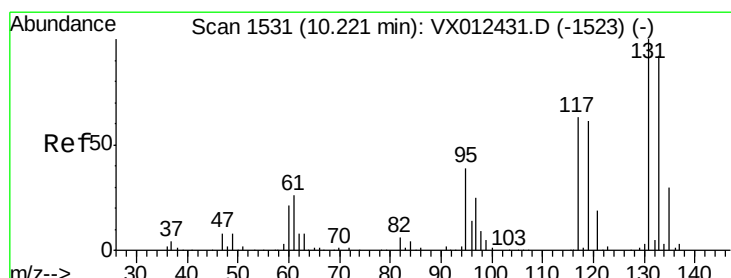
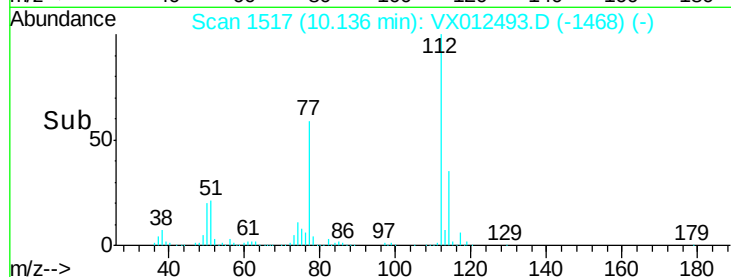
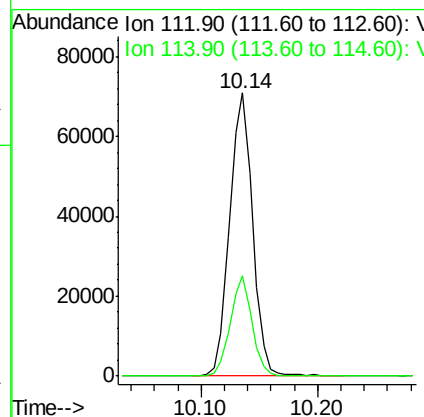
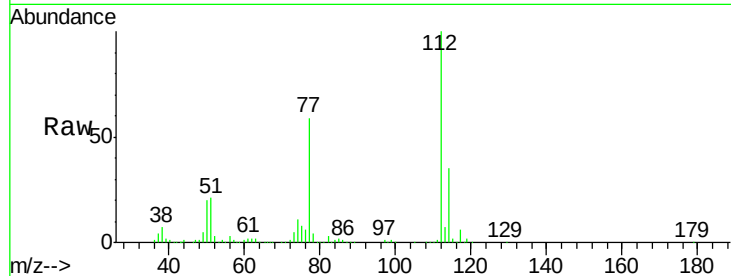
#65
Chlorobenzene
Concen: 19.123 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:112 Resp: 96808
Ion Ratio Lower Upper
112 100
114 35.3 25.4 38.0

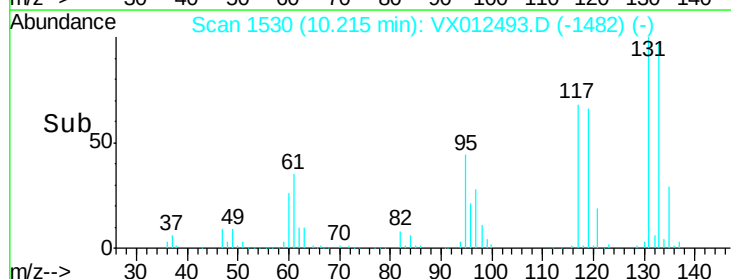
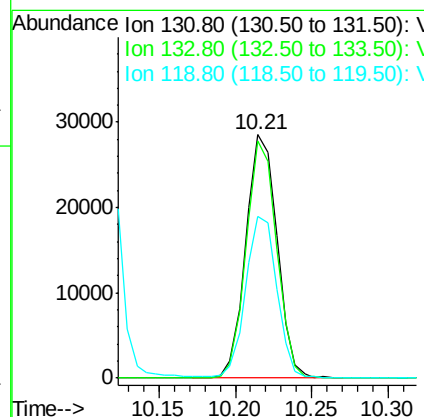
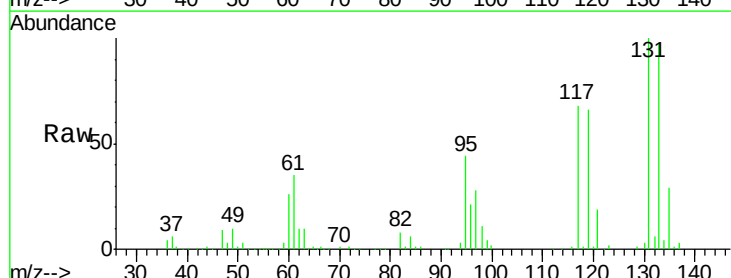
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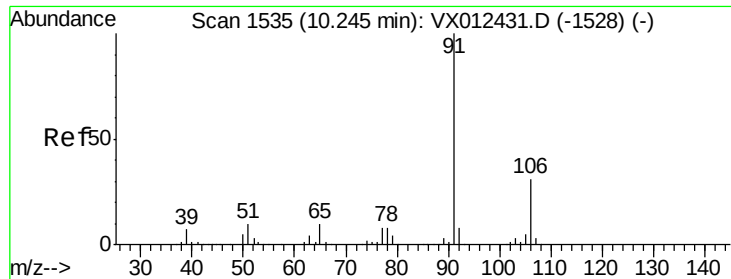
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.325 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion:131 Resp: 40602
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.5 31.3 93.8





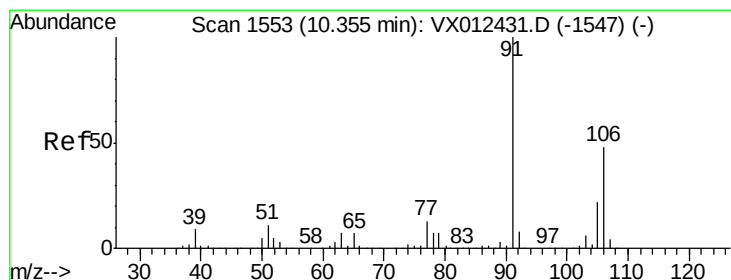
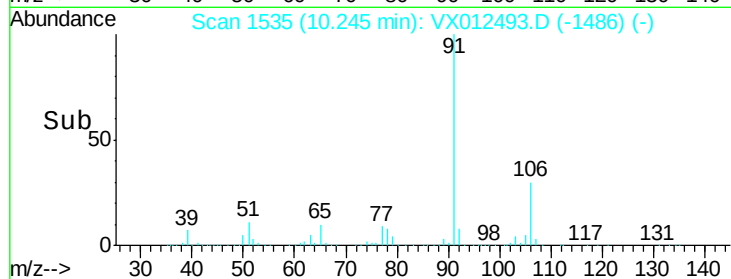
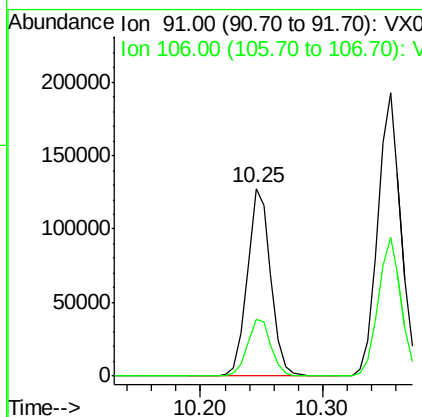
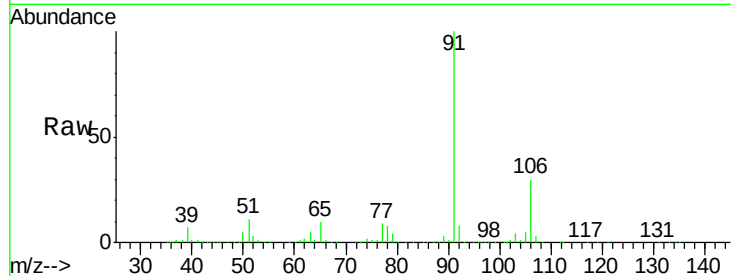
#67
Ethyl Benzene
Concen: 19.375 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion: 91 Resp: 168515
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0

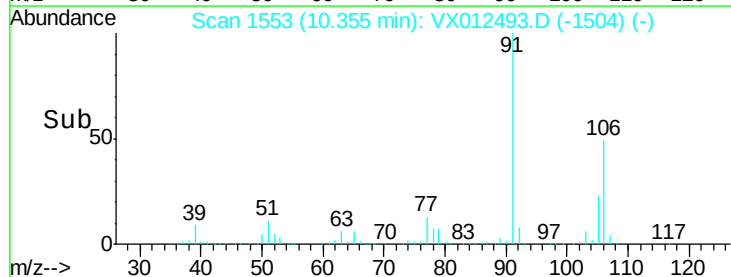
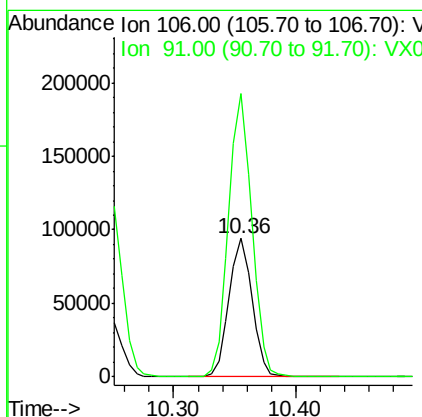
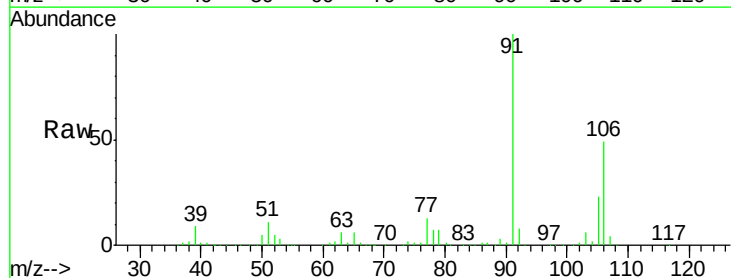
Manual Integrations
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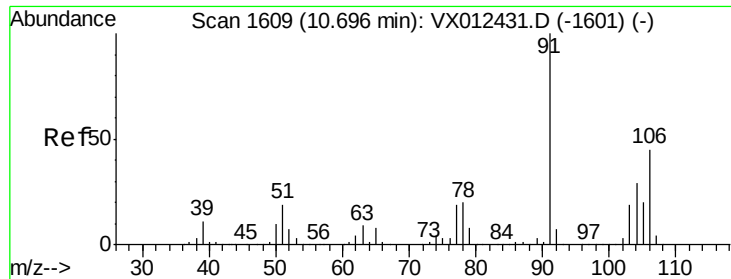
MMDadoda
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#68
m/p-Xylenes
Concen: 39.229 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion: 106 Resp: 124145
Ion Ratio Lower Upper
106 100
91 204.1 166.6 250.0





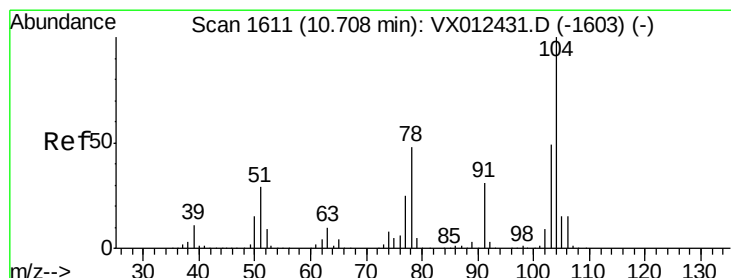
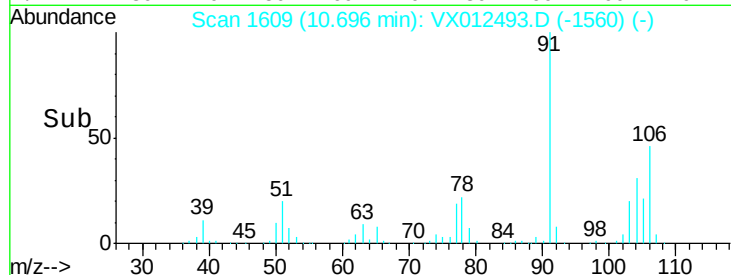
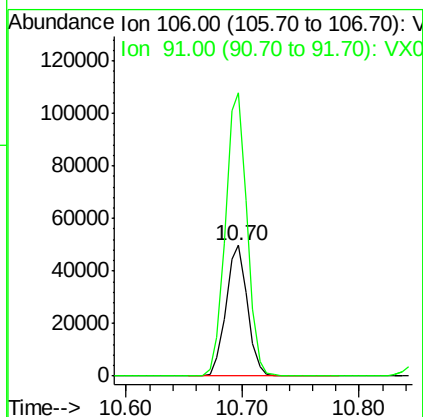
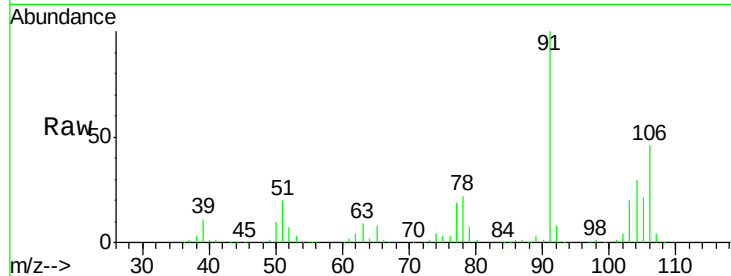
#69
o-Xylene
Concen: 19.428 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:106 Resp: 63229
Ion Ratio Lower Upper
106 100
91 219.4 109.4 328.2

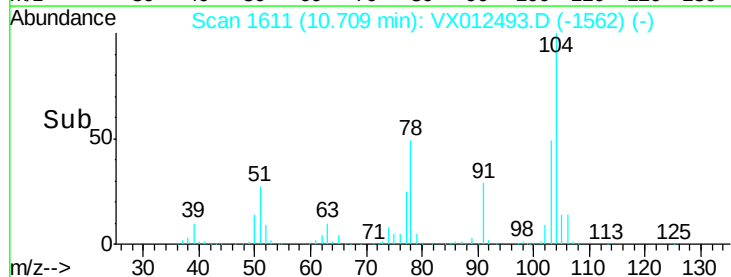
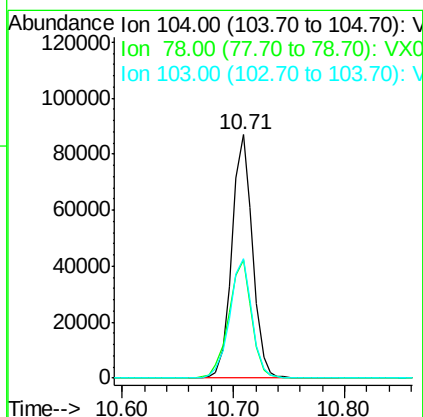
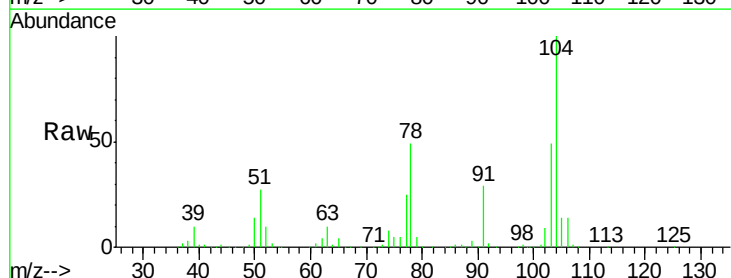
Manual Integrations
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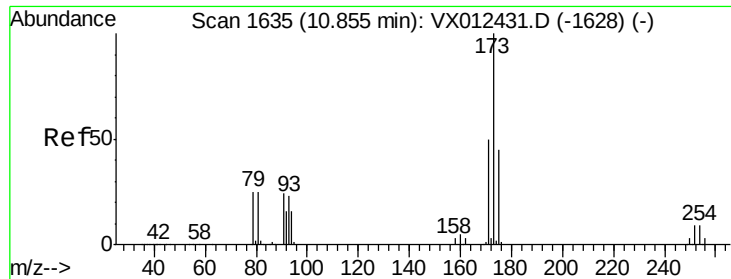
MMDadoda
9/19/2019 1:06:17 PM



#70
Styrene
Concen: 19.345 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion:104 Resp: 111395
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.2
103 53.0 43.3 64.9





#71

Bromoform

Concen: 17.667 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:173 Resp: 28399

Ion Ratio Lower Upper

173 100

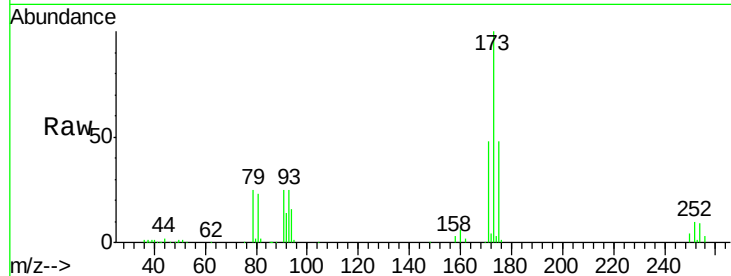
175 47.4 23.7 71.1

254 0.0 0.1 0.1#

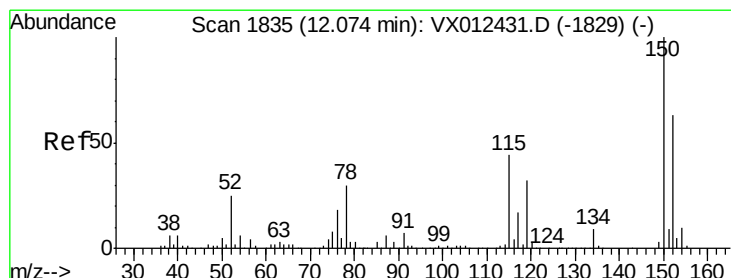
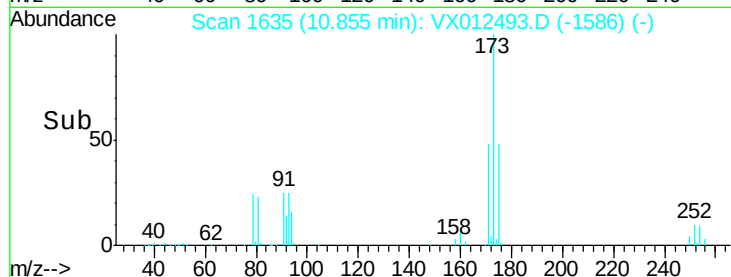
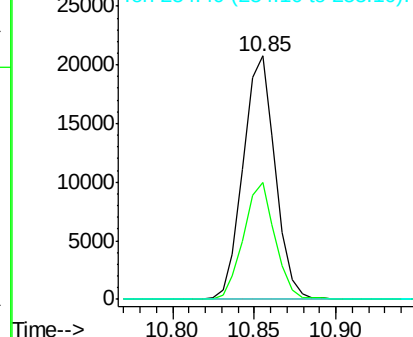
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

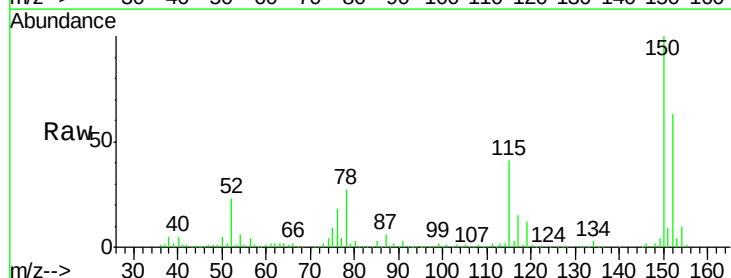
Tgt Ion:152 Resp: 144954

Ion Ratio Lower Upper

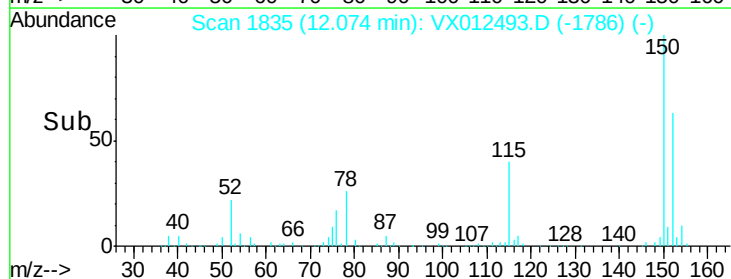
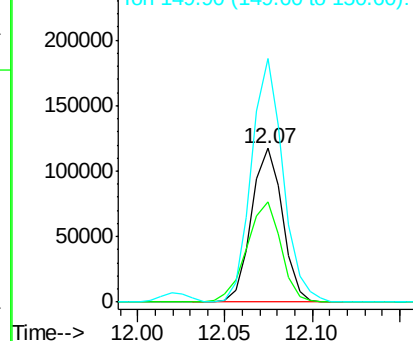
152 100

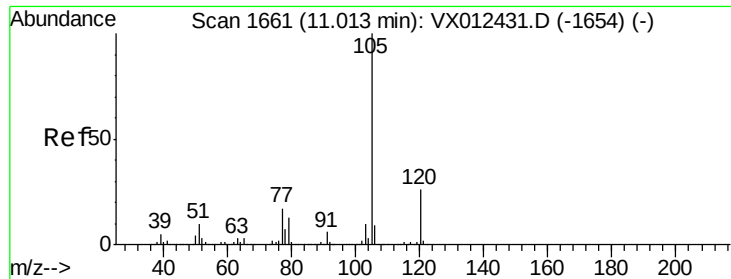
115 71.7 44.1 132.3

150 161.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.512 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:105 Resp: 177464

Ion Ratio Lower Upper

105 100

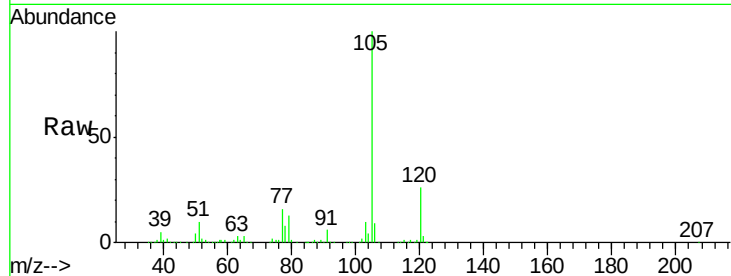
120 26.2 12.9 38.7

Manual Integrations

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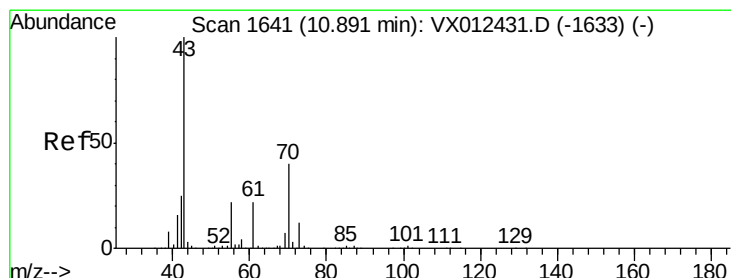
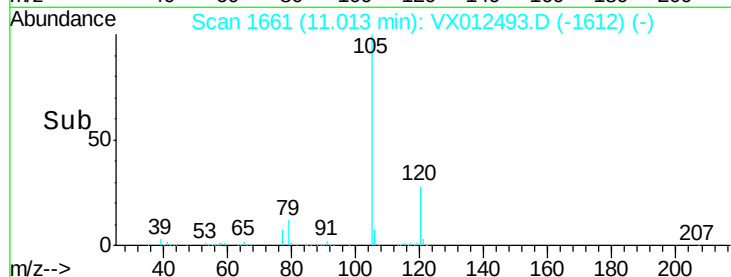
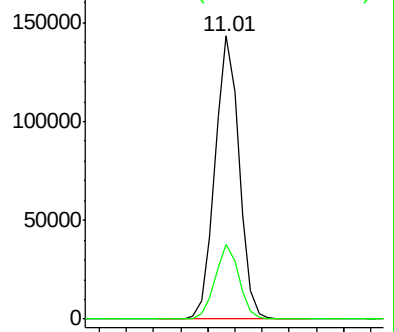
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.585 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion: 43 Resp: 91005

Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 24.0 18.2 27.4

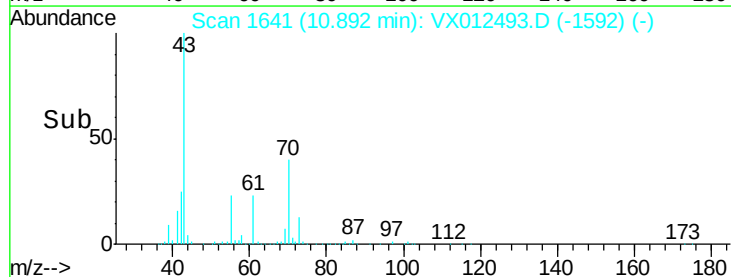
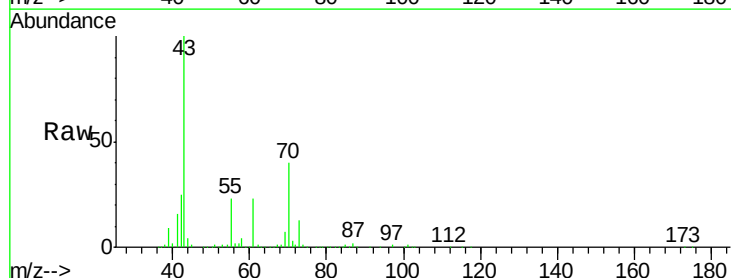
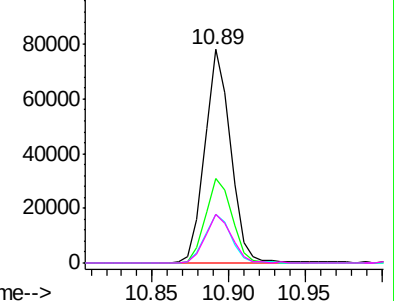
61 23.7 18.5 27.7

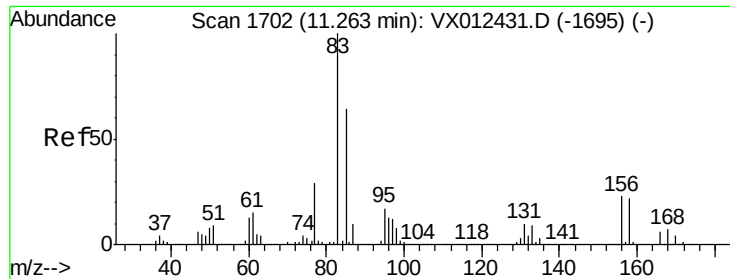
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.965 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 83 Resp: 67664

Ion Ratio Lower Upper

83 100

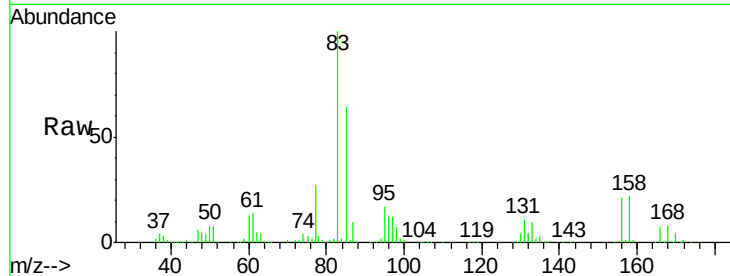
131 10.7 5.2 15.6

85 64.8 32.0 96.0

Manual Integrations
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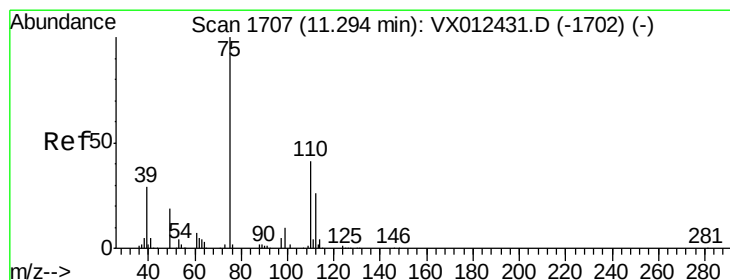
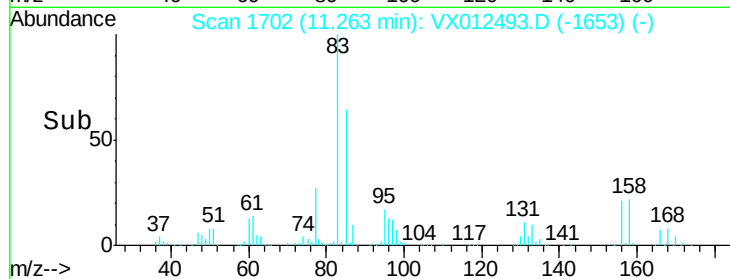
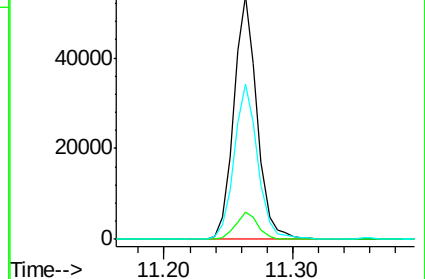
9/19/2019 1:06:17 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.992 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012493.D

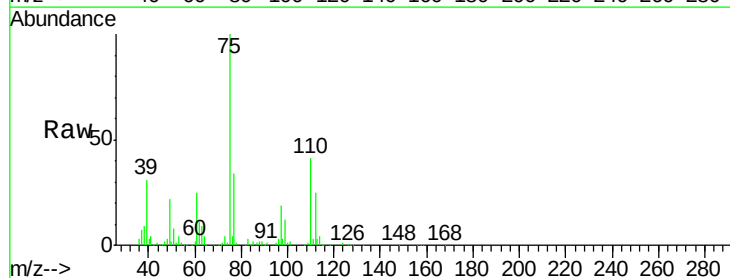
Acq: 18 Sep 2019 23:34

Tgt Ion: 75 Resp: 63239

Ion Ratio Lower Upper

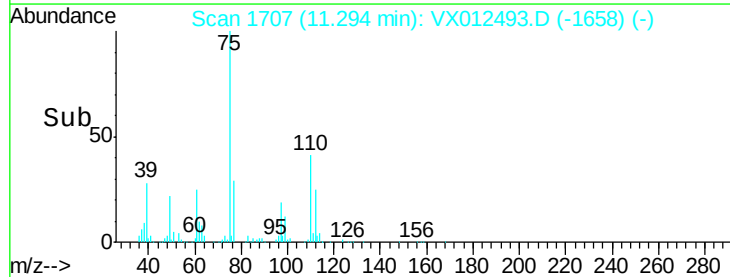
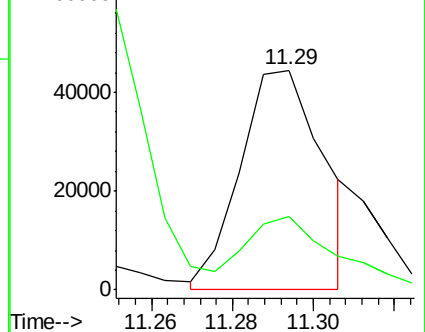
75 100

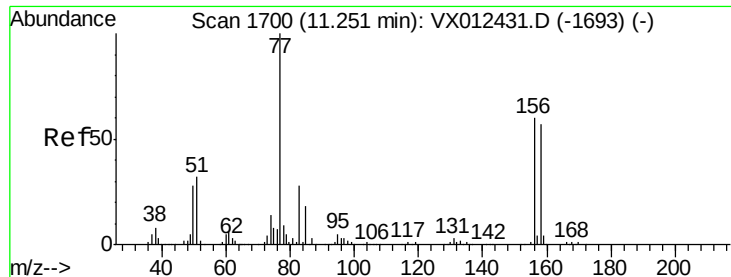
77 36.8 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.955 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

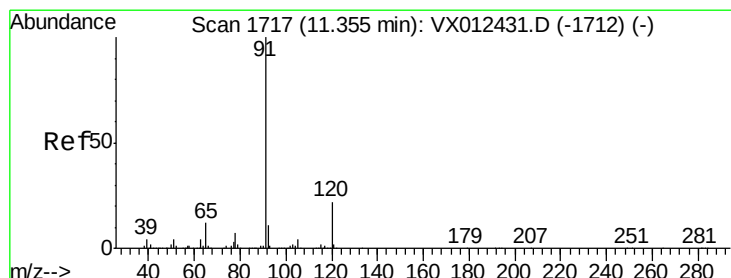
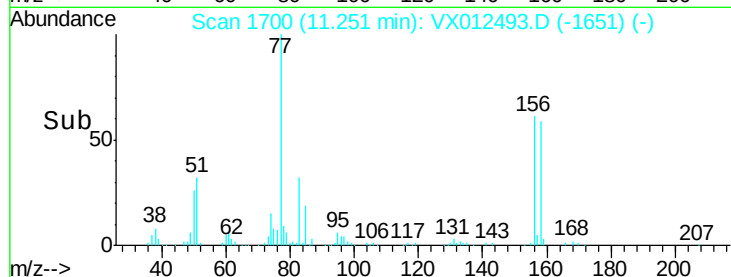
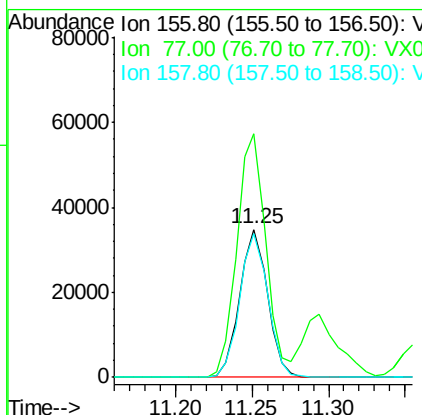
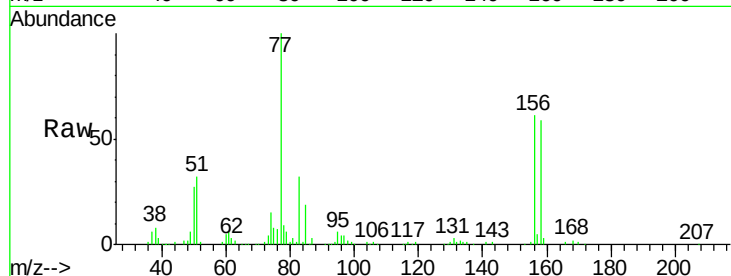
ClientSampleId :

VX0918WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.0	87.3	261.8
158	98.3	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.028 ug/l

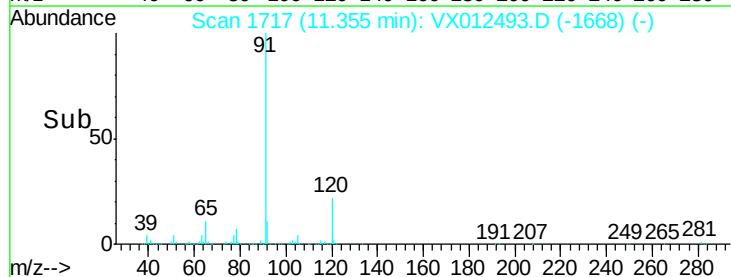
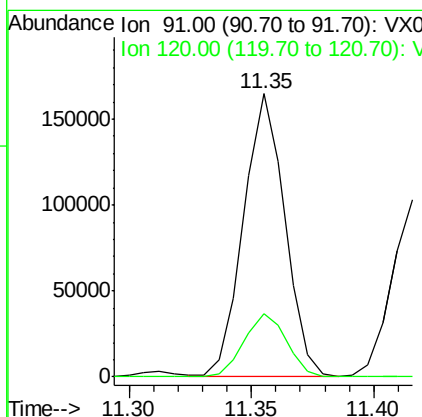
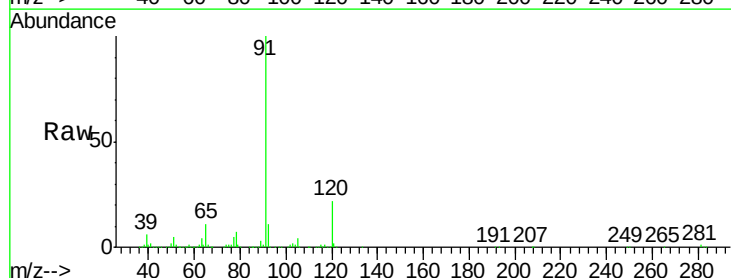
RT: 11.35 min Scan# 1717

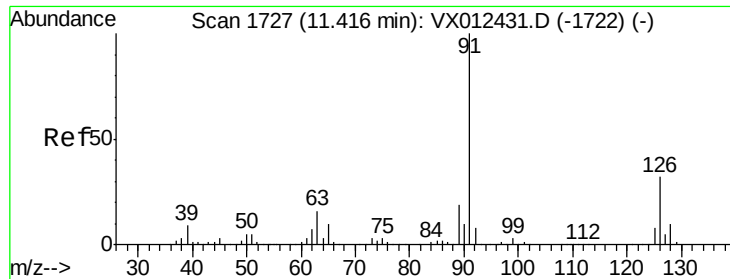
Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.001 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 91 Resp: 125301

Ion Ratio Lower Upper

91 100

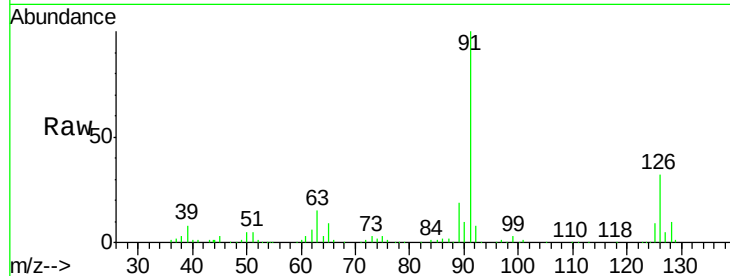
126 32.7 16.4 49.4

Manual Integrations

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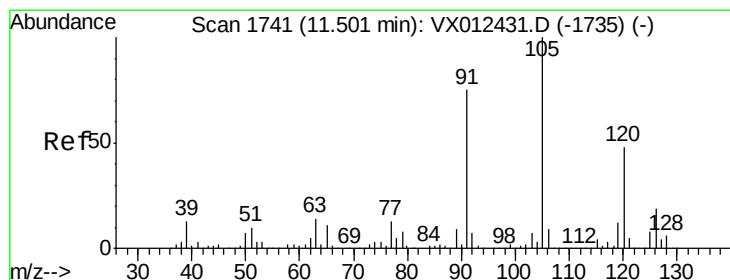
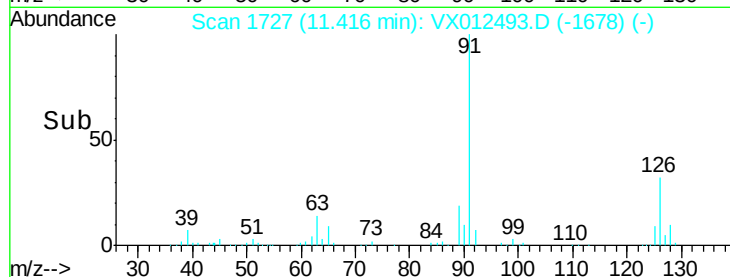
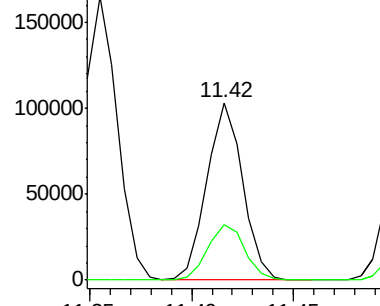
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.457 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012493.D

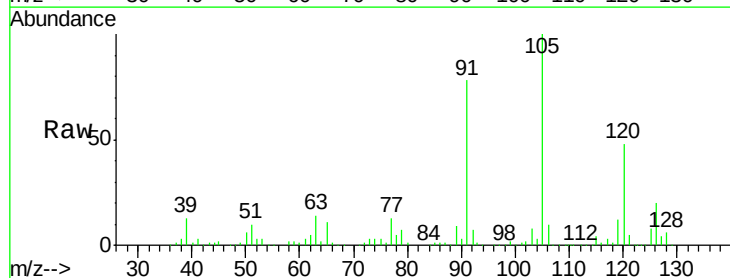
Acq: 18 Sep 2019 23:34

Tgt Ion: 105 Resp: 150920

Ion Ratio Lower Upper

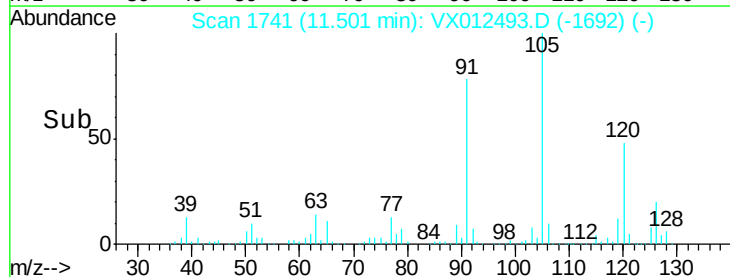
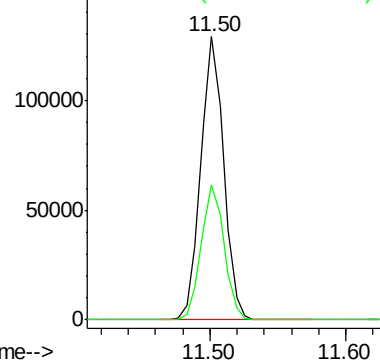
105 100

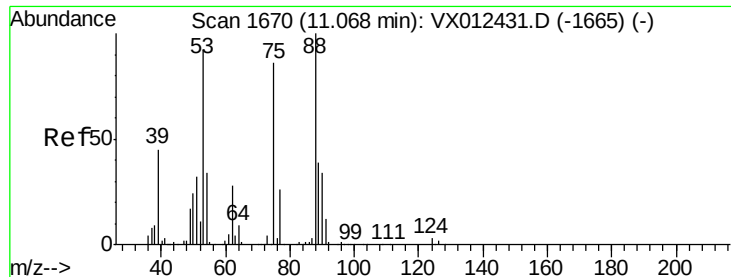
120 47.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.757 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

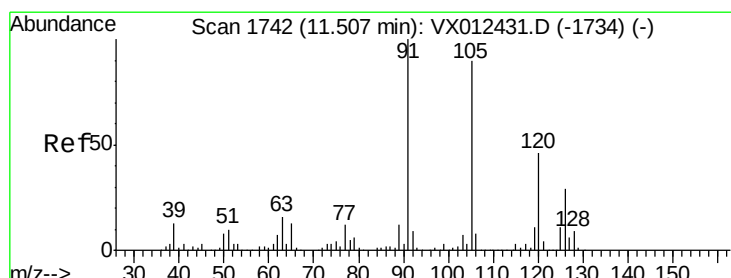
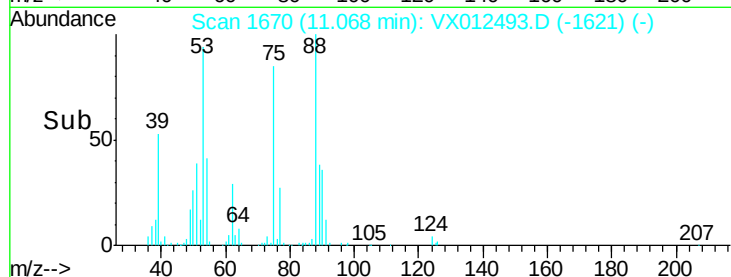
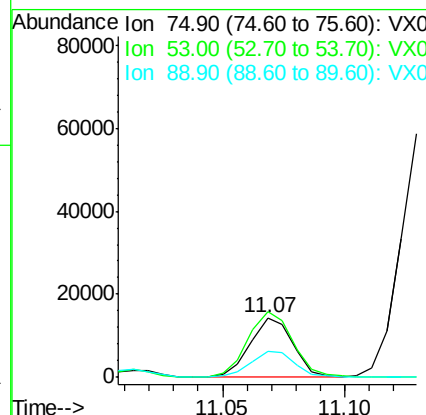
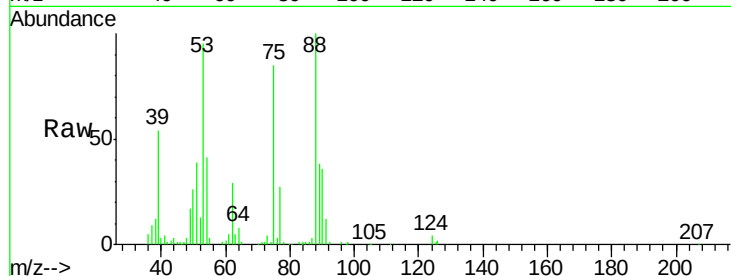
ClientSampleId :

VX0918WBS02

Tot Ion:	75	Resp:	17663
Ion	Ratio	Lower	Upper
75	100		
53	114.5	83.6	125.4
89	46.0	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.197 ug/l

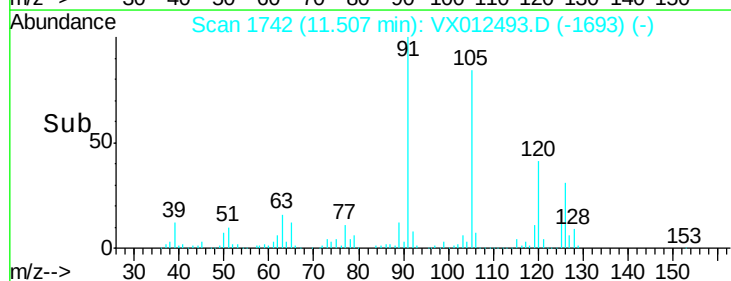
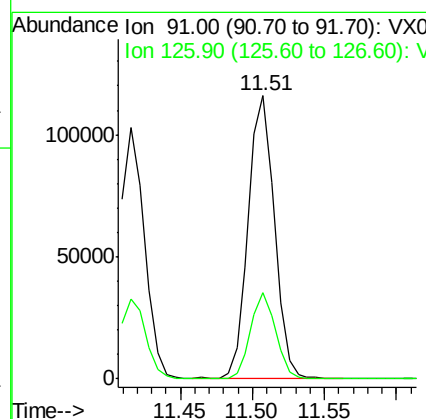
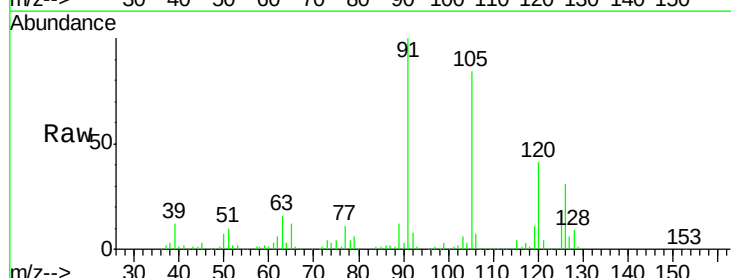
RT: 11.51 min Scan# 1742

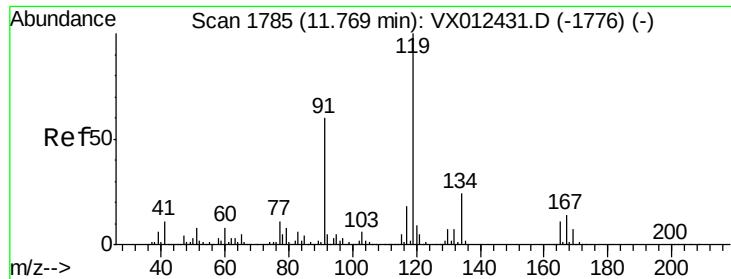
Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Tgt Ion:	91	Resp:	145292
Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.4	43.0





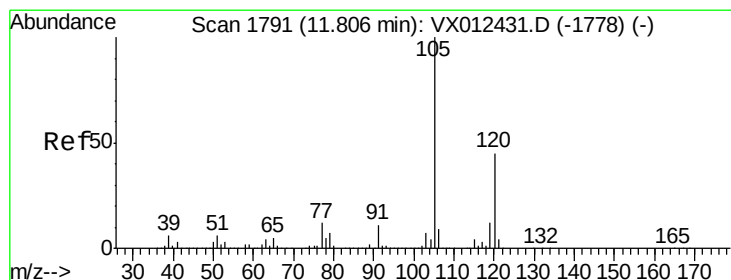
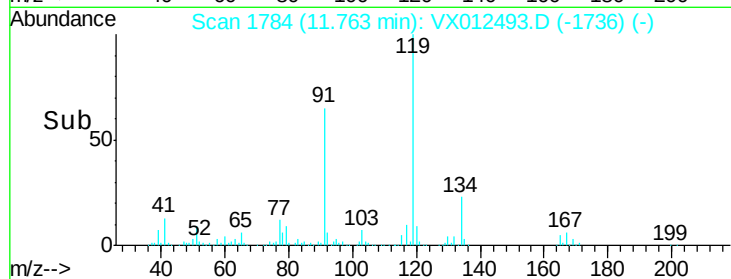
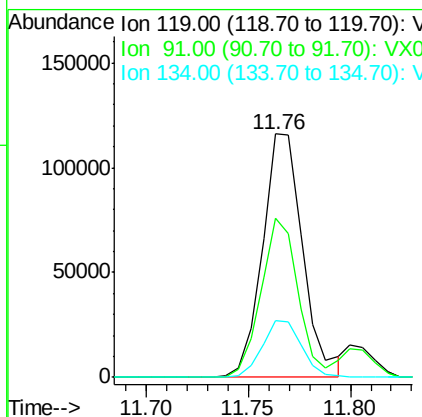
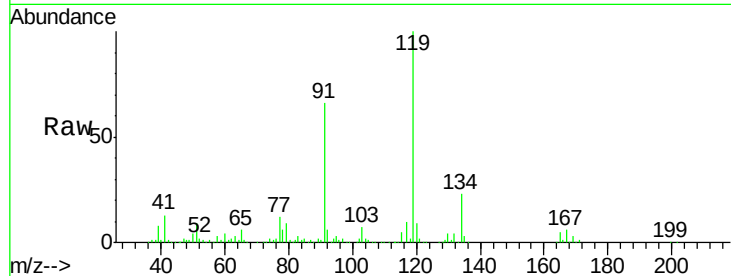
#83
 tert-Butylbenzene
 Concen: 19.247 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159968		
91	59.8	30.0	90.0	
134	22.7	11.3	33.9	

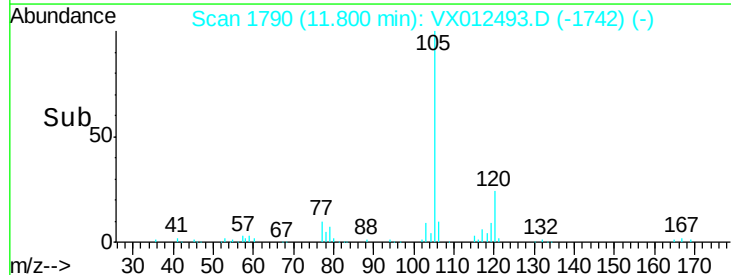
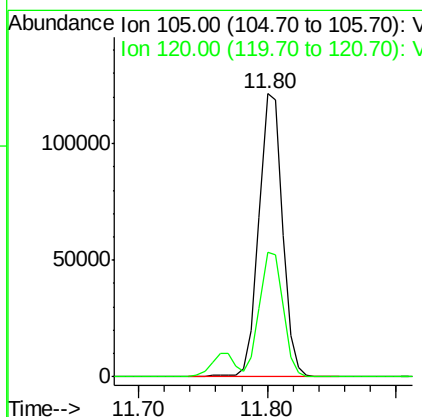
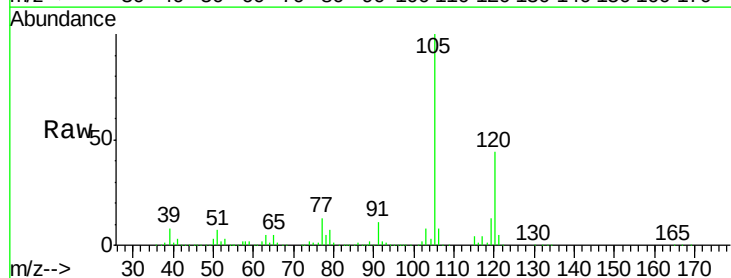
Manual Integrations
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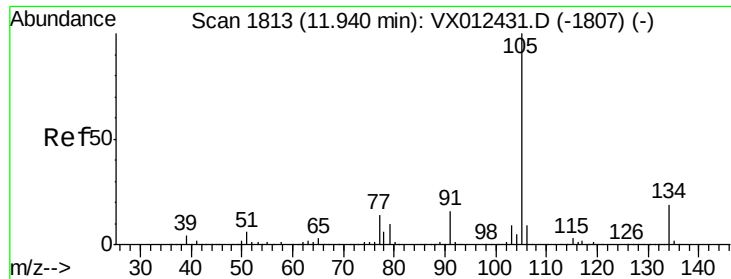
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.253 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	153332		
120	43.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 18.981 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:105 Resp: 173840

Ion Ratio Lower Upper

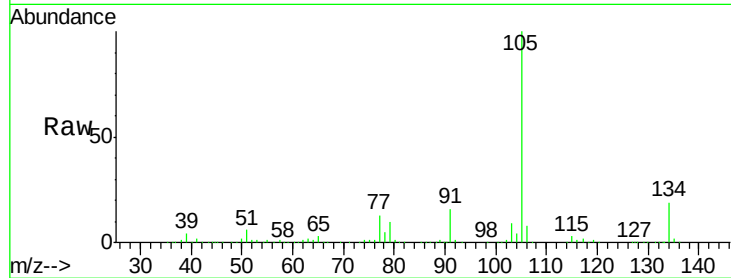
105 100

134 20.3 9.8 29.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

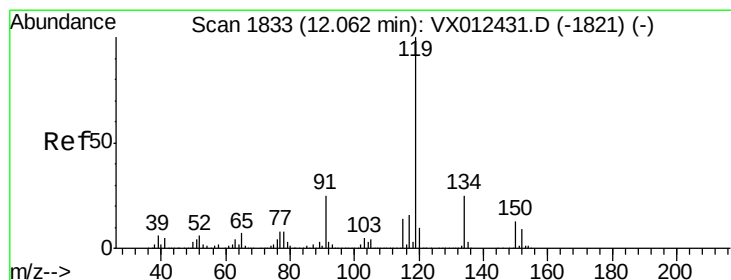
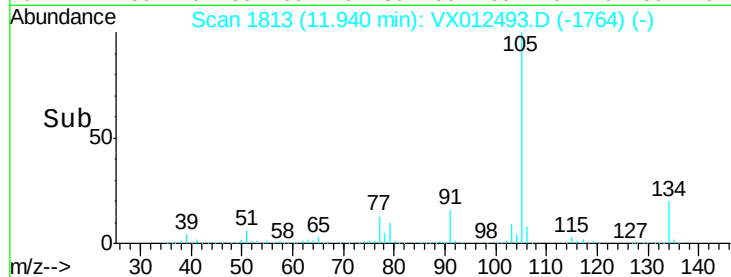
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.207 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012493.D

Acq: 18 Sep 2019 23:34

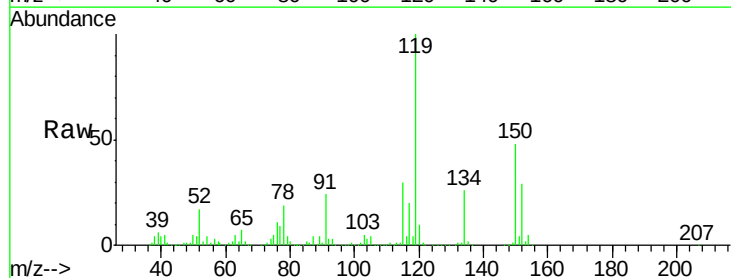
Tgt Ion:119 Resp: 161531

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 25.9 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

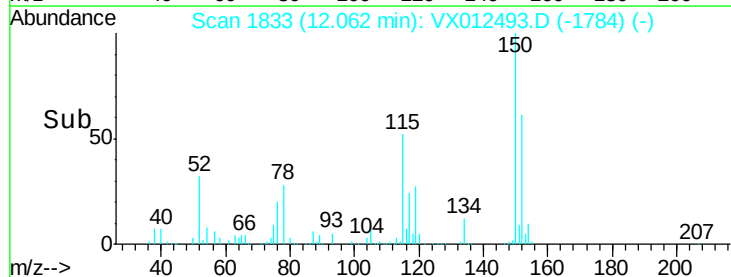
150000

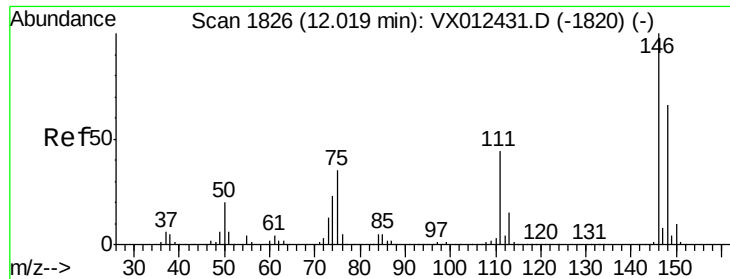
100000

50000

0

Time--> 12.00 12.10





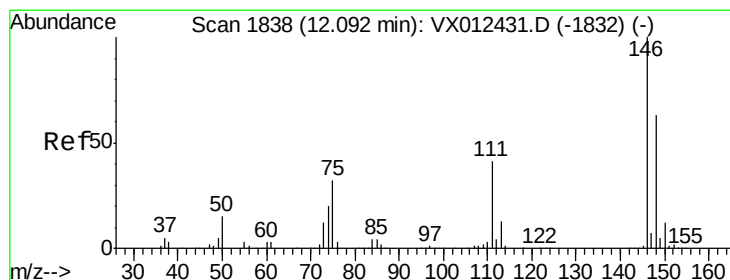
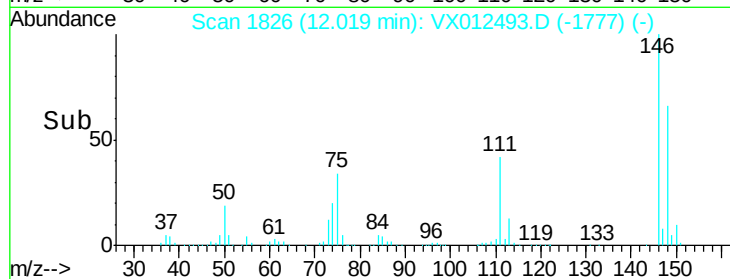
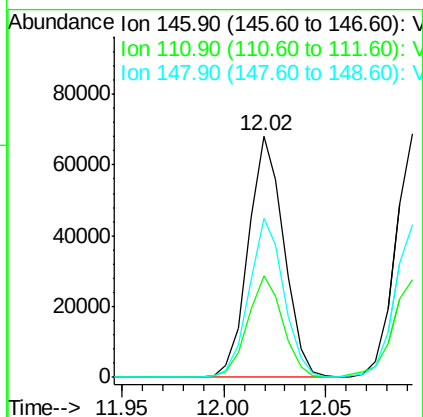
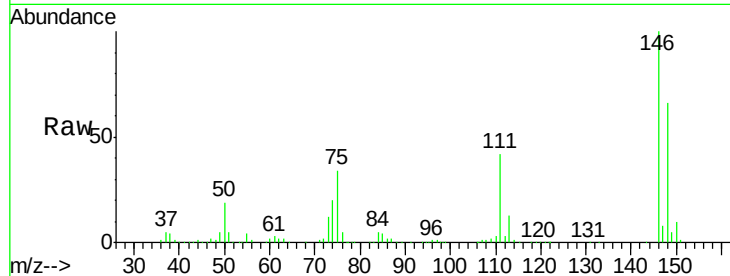
#87
 1,3-Dichlorobenzene
 Concen: 19.793 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	64.3	32.4	97.2

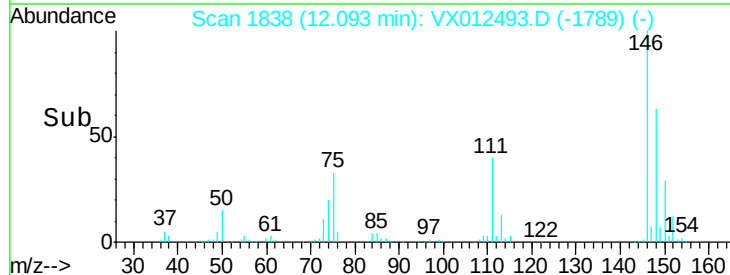
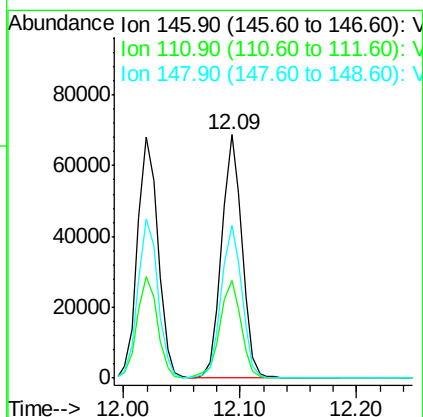
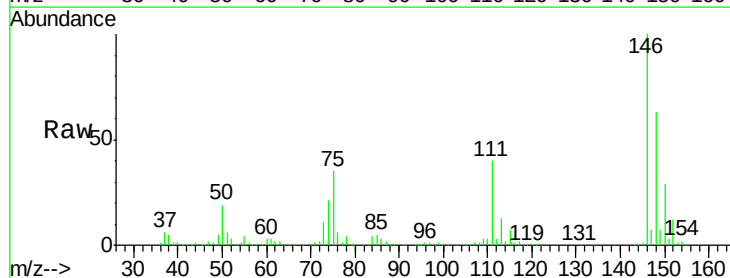
Manual Integrations
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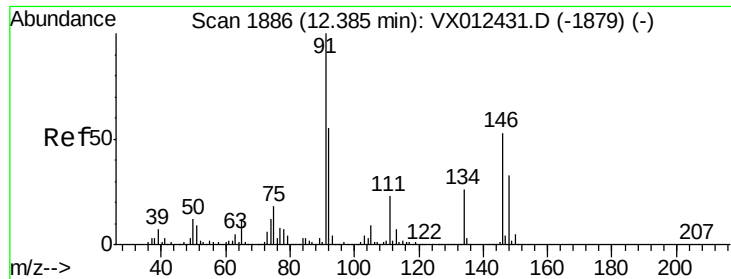
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#88
 1,4-Dichlorobenzene
 Concen: 19.264 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	64.0	32.1	96.5





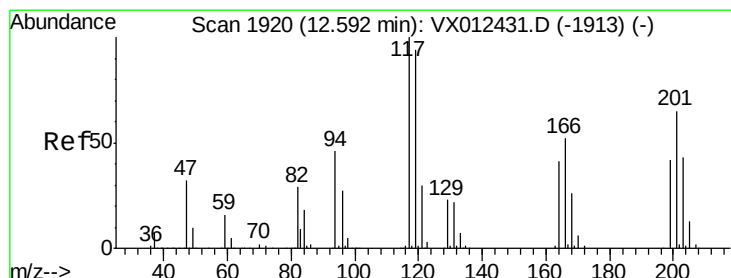
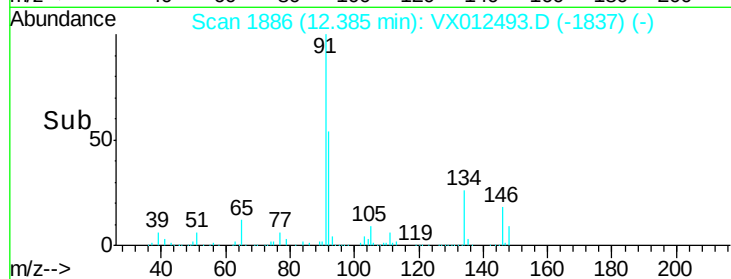
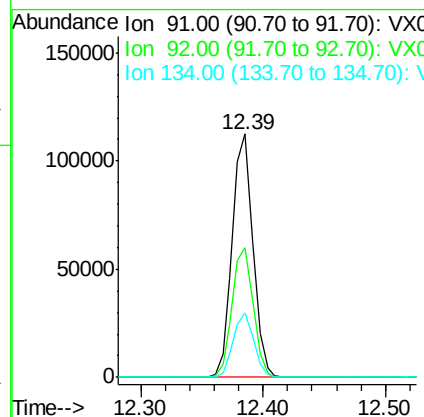
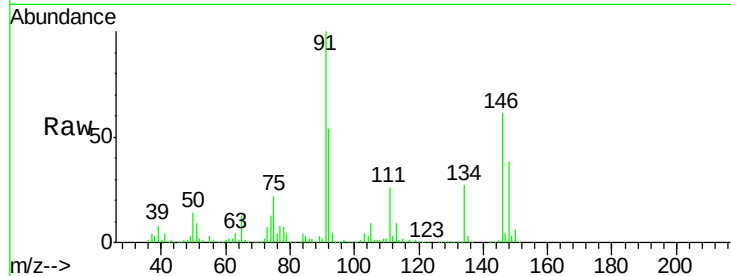
#89
n-Butylbenzene
Concen: 17.604 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	132096		
92	54.1	27.7	83.0	
134	26.1	12.9	38.6	

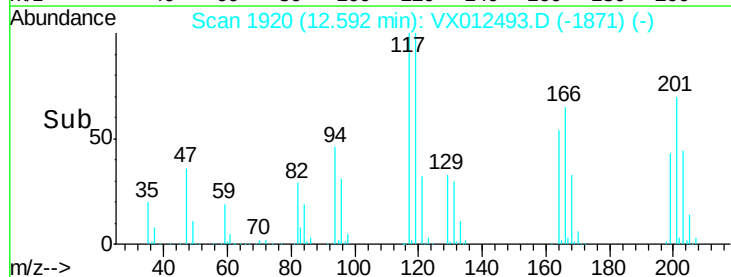
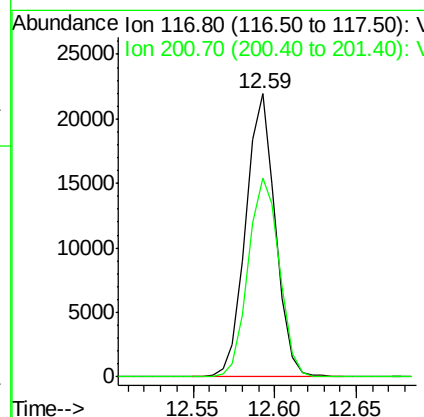
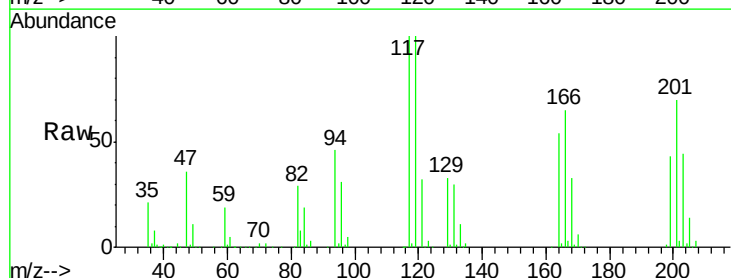
Manual Integrations
APPROVED

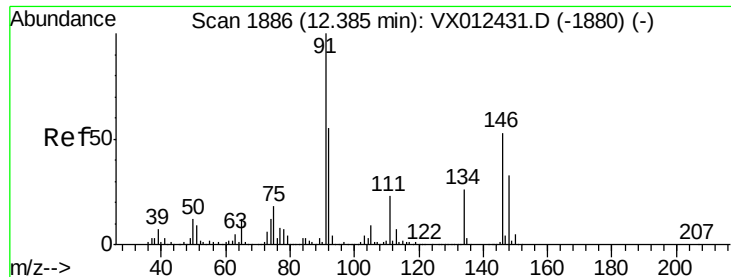
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#90
Hexachloroethane
Concen: 17.954 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27686		
201	74.3	33.3	99.8	





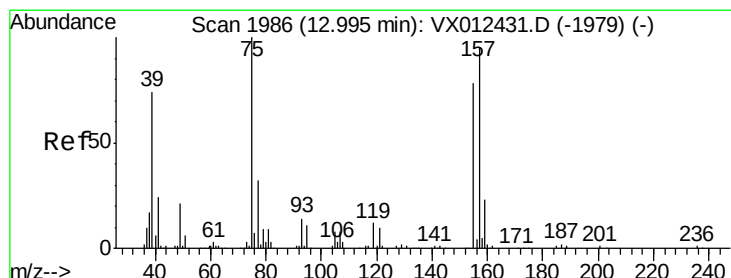
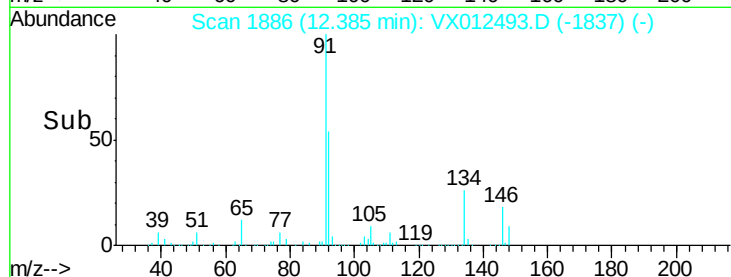
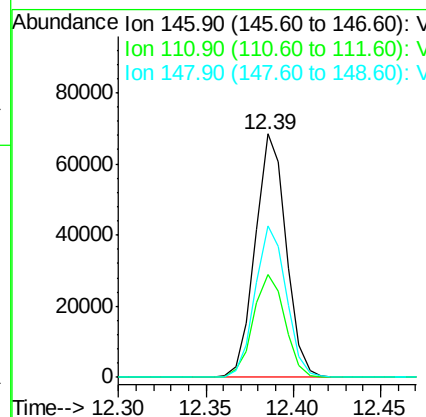
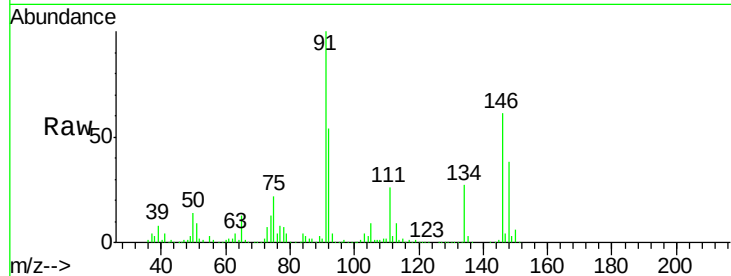
#91
 1,2-Dichlorobenzene
 Concen: 19.427 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.1
148	63.0	31.3	93.9

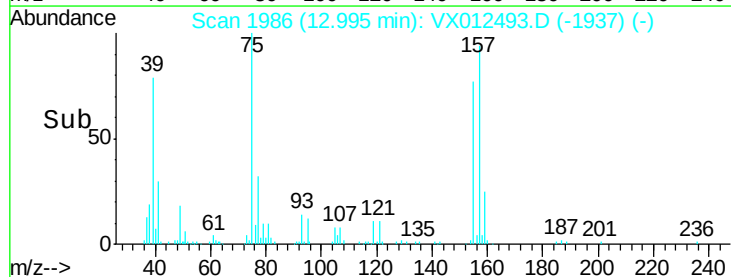
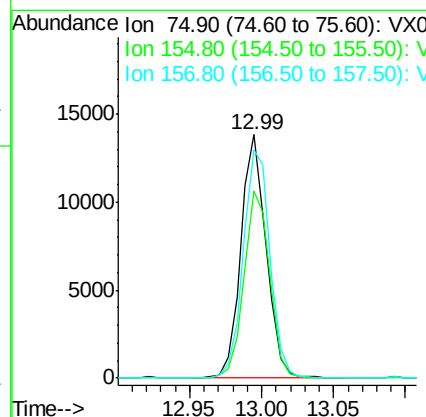
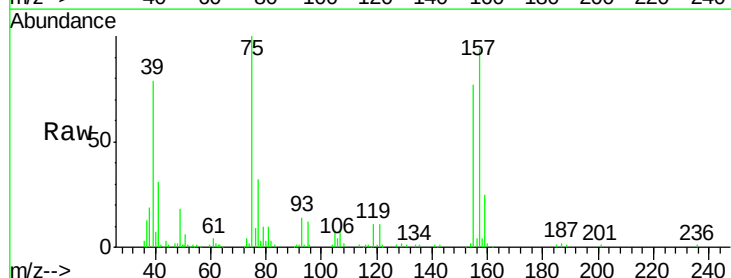
Manual Integrations
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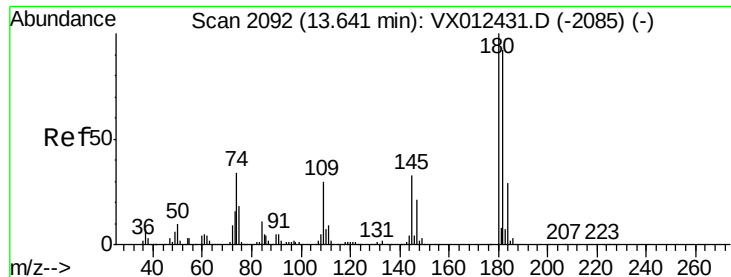
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 9/19/2019 1:06:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.291 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.6	115.8
157	98.5	50.6	151.9





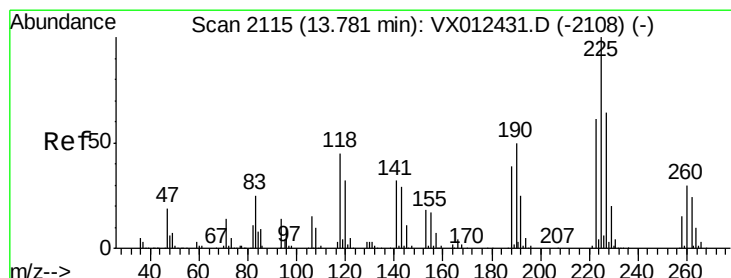
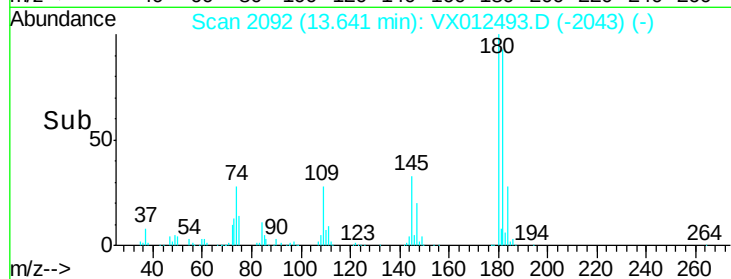
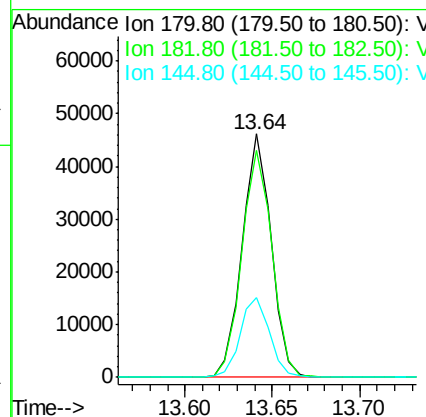
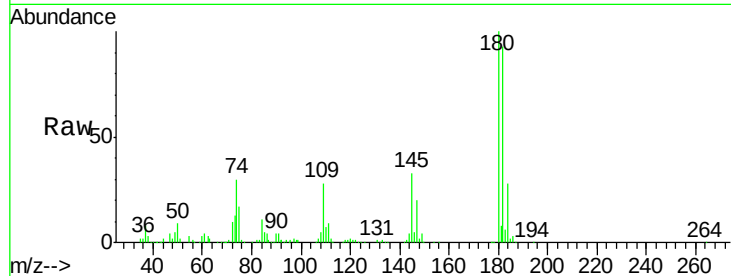
#93
 1,2,4-Trichlorobenzene
 Concen: 18.938 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.0	141.0
145	33.4	16.8	50.4

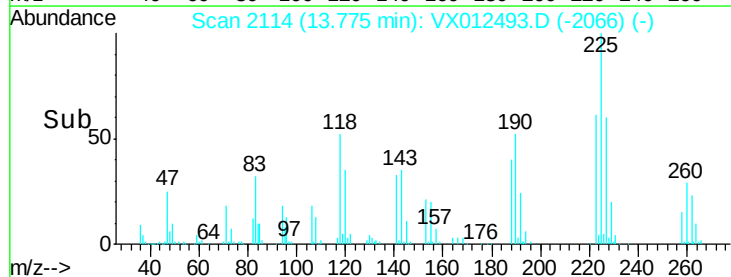
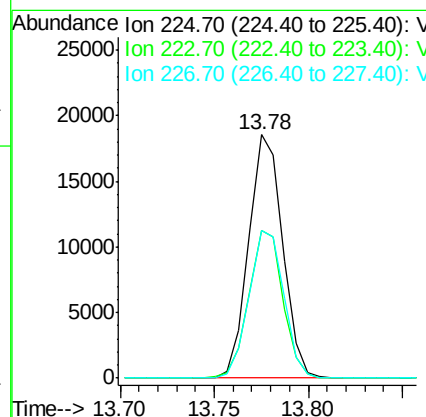
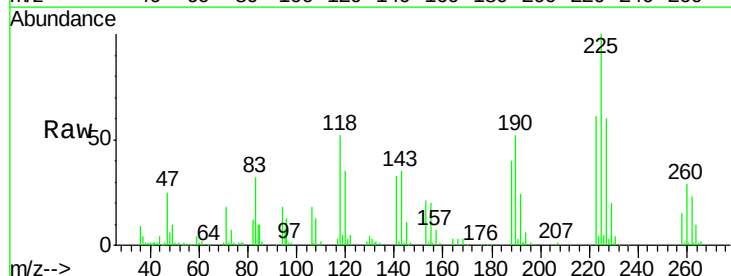
Manual Integrations
 APPROVED

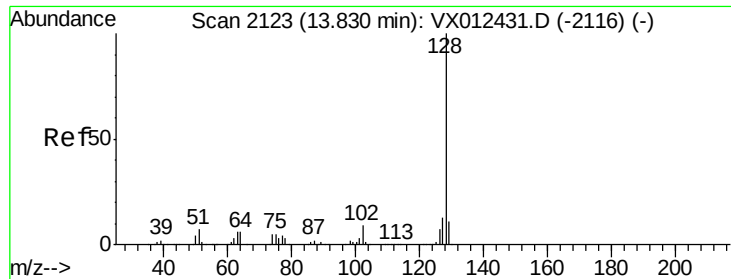
MMDadoda
 9/19/2019 1:06:17 PM



#94
 Hexachlorobutadiene
 Concen: 17.524 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012493.D
 Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.0	96.2
227	62.1	31.9	95.5





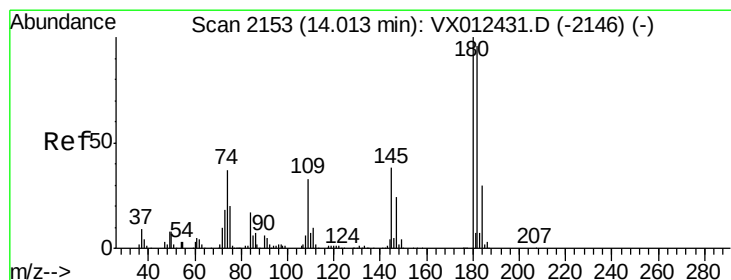
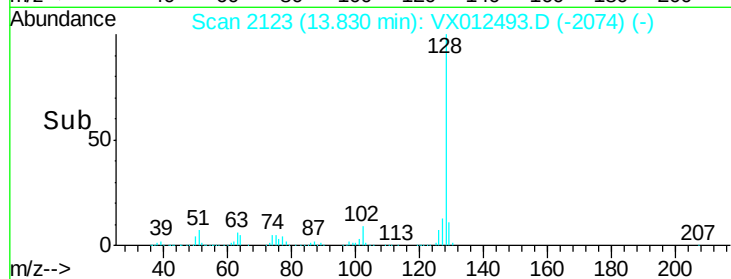
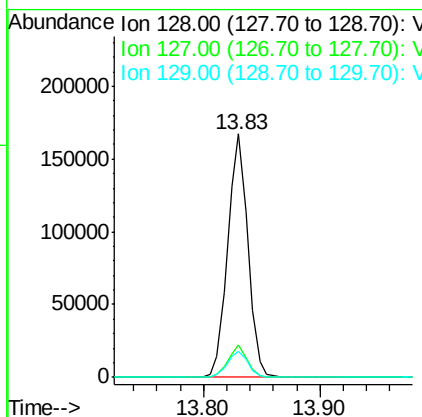
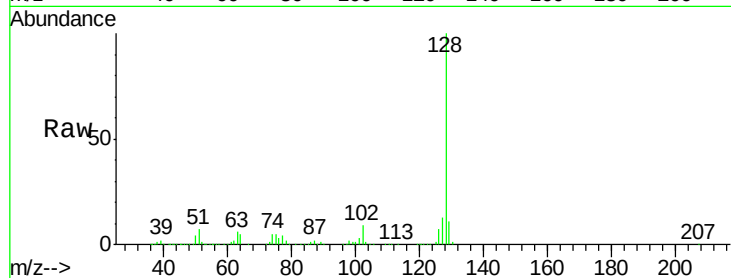
#95
Naphthalene
Concen: 20.081 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	200707		
127	12.4		10.2	15.4
129	10.7		8.8	13.2

Manual Integrations
APPROVED

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9/19/2019 1:06:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.917 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012493.D
Acq: 18 Sep 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57011		
182	95.0		47.1	141.3
145	35.4		18.0	54.0

